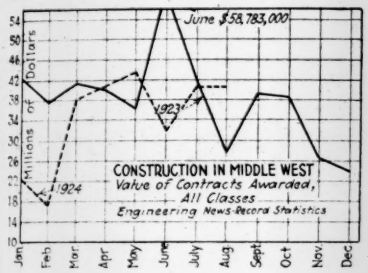
CONSTRUCTION NEWS

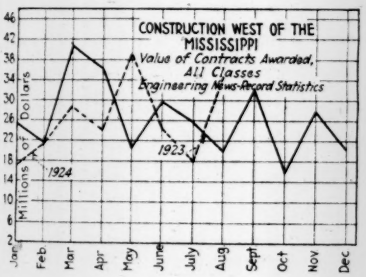
Engineering News-Record, September 18, 1924

The Construction Barometer

Steady Gain in Contract Letting Since Last Week in August—Few Price Fluctuations—No Wage Disputes of Importance

WEEKLY contract totals have shown steady gains since the last week in August. This would indicate that the construction industry had recovered from the slight seasonal let-down which occurred during the mid-summer period. The iron, steel, textile, leather and automotive industries also reflect the general improvement in conditions. The building materials market is showing greater stability now than at any time since March. Wage disputes, under consideration at the present time, are mostly of minor importance. Aside from slight weakness in steel bars and shapes and yellow pine timbers, most other materials have shown few price fluctuations during the past week. The average common labor rate for the nation has not changed since May 1, 1924.


June $58,783,000
Millions of Dollars
1923
1924
CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded, All Classes
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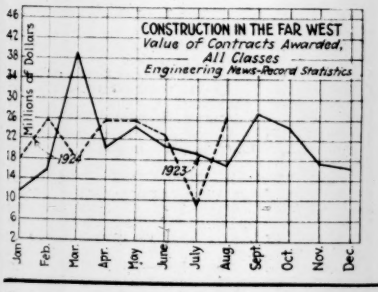

CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Aug. 28	$23,774,000	$11,329,000	$35,103,000
Sept. 4	16,650,000	21,225,000	37,875,000
Sept. 11	26,691,000	15,727,000	42,418,000
3 weeks	$67,115,000	$48,281,000	$115,396,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

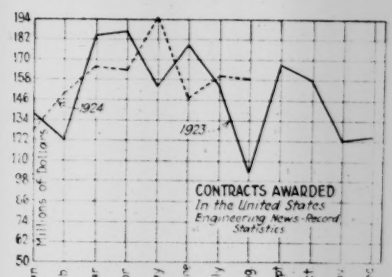
Week Ended	Commercial: Public No.	Commercial: Public Thousand	Commercial: Private No.	Commercial: Private Thousand	Industrial No.	Industrial Thousand
Aug. 28	15	$5,431	31	$10,057	11	$747
Sept. 4	8	2,974	39	18,488	30	2,532
Sept. 11	14	5,378	32	10,831	27	3,076
3 weeks	37	$13,783	102	$39,376	68	$6,355

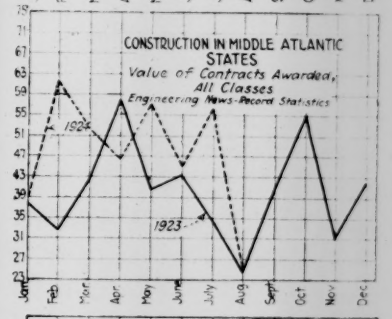
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Aug. 28	40	47	59	34	176
Sept. 4	23	29	61	38	167
Sept. 11	25	39	56	33	179

STEEL AND PINE WEAKER—OTHER PRICES FIRM

	Quoted on Sept. 18 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.90 @2.10	$1.95 @2.10	Sept. 11
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	56.00	58.00	Sept. 11
Fir, San Fran., M.ft.	29.00	31.00	Aug. 28
Common labor, hr.	.56	.55	Apr. 24

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Value of Contracts Awarded, All Classes
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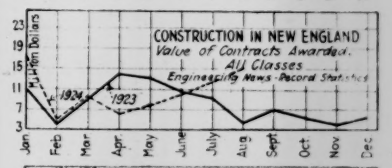
CONSTRUCTION IN NEW ENGLAND
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
Millions of Dollars
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1923
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CONSTRUCTION IN SOUTHERN STATES
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1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

Waterworks

PROPOSED WORK

N. Y., Albany—Making plans 200 m.g. reservoir. $1,500,000. T. Horton, Albany, engr.

N. J., Hawthorne—Boro. Council takes bids about Oct. 1, extending water distributing system. H. J. Harder, 129 Market St., Paterson, engr.

N. C., Aulander — Voted $95,000 bonds water and sewerage system.

N. C., Shelby—Monroe Mills Co. plans 300,000 gal. reservoir. $15,000.

Tenn., Nashville—Election Nov. 4, $3,000,000 bonds for water works improvements, incl. reservoir, force mains, filtration plant, new boiler plant and miscellaneous improvements, etc. H. E. House, City Hall, mayor.

Mich., Detroit—Detroit Ecorse Land Co., making plans 32,240 lin.ft. 6 and 8 in. c.i. mains in Oakwood Heights subdivision. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., engrs.

Mich., Iron River—I. M. Miller, village clk. soon takes bids 2,000 g.p.m. underwriters fire pump and 440 v. 3 phase, 60 cycle ship ring motor. $16,000. W. N. Gambrill, village engr.

Ill., Pickneyville—City Clerk takes bids about Sept. 30, filter plant, settling basins, pumping equipment, etc. $50,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr. Noted Aug. 7.

Wis., Madison—L. A. Smith, supt., plans 12 in. feeder mains in Lakeside St., South Madison. $25,000. Engineer not selected.

Ia., Kingsley—Plans to purchase new pump for water system. W. R. Payne, city clk.

Kans., Hiawatha—Voted $14,500 bonds water works improvements.

Mo., Charleston — Making preliminary plans 100,000 gal. tank on tower, pumping equipment, main extensions, etc. F. L. Wilcox, Chemical Bldg., St. Louis, engrs.

Mo., Columbia—Soon takes bids two 400 hp. boilers, centrifugal pump, stoker and turbine. $25,352.

Mo., Marshfield — Soon takes bids complete waterworks, distribution system, tank on tower, etc., also complete sanitary sewerage system. Gantt-Baker Eng. Co., 1st Natl. Bank Bldg., Oklahoma City, Okla., engrs.

Tex., Grapevine—Election Sept. 27, $60,000 bonds waterworks. E. E. Lowe, mayor.

Tex., Ralls — Making plans complete waterworks improvements. $50,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs Noted May 15.

Tex., Trinity — Election soon $77,000 bonds, well, concrete reservoir, pump house, 300 gal. centrifugal pump, mains, etc., also sewers incl. mains laterals and disposal plant. F. J. Zuben, Ellison Bldg., Ft. Worth, engrs.

Waterworks (Continued)-

Okla., Blackwell—Making preliminary plans complete waterworks, distribution and sanitary sewerage systems, etc. $70,000.

Okla., Clinton—Voted $80,000 bonds, 6 new wells and several miles main extensions. B. M. Hart, City Hall, Oklahoma City, engr. Noted July 24.

Okla., Newkirk—Defeated $115,000 bonds for new waterworks, wells, mains, pumps, etc., Musson & Gayle, Grain Exch. Bldg., Oklahoma City, engrs. Noted Aug. 28.

Okla., Okemah—Defeated $60,000 bonds, enlarging present water system. Holway Eng. Co., New Wright Bldg., Tulsa, engrs. Noted Aug. 21.

Okla., Panama — Making preliminary plans new water works, well, motor driven pump, tank, mains, valves, etc., $25,000. Engineer not selected

Calif., Vista — See "Excavation, Drainage, Irrigation."

Ont., La Salle—Election Sept. 30, $65,000 bonds extending mains from here to Ford. J. C. Keith, Essex Border Utilities, Windsor, engr.

Ont., Ottawa—Bd. Control plans filtration plant. A. F. Macallum, city engr.

BIDS DESIRED

Massachusetts—Oct. 2, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, laying c.i. mains in Waltham, Belmont and Arlington. W. E. Foss, dir. Water Div.; Adv. E. N.-R. Sept. 18.

R. I., Providence—Oct. 8, at office Water Supply Bd., City Hall, equipment, for Purification Wks., and portions of Scituate Aqueduct. F. E. Winsor, ch. engr.; adv. E. N.-R. Sept. 18.

Md., Baltimore — Sept. 24, by Bd. Awards, furnishing c.i. pipe and fittings to Water Dept., V. B. Siems, City Hall, water engr.

Md., Leonardtown—Sept. 24, by Eastern Shore Trust Co., Leonardtown, water works system, and 2 mi. pipe line, for town. J. S. Howard, 12 East Lexington St., Baltimore, engr.

Ala., Eufaula—Oct. 21, by H. H. Conner, mayor, and City Council, filter plant of two 500,000 gal. units and appurtenances. The Ludlow Engineers., Winston-Salem, S. C., engrs.; adv. E. N.-R. Sept. 18.

Ala., Mobile — Oct. 13, by City Commissioners, c.i. water pipe hydrants, valves, etc., W. Smith, city engr. H. W. Bell, engineer in charge of construction; adv. E. N.-R. Sept. 18.

Ky., Pikeville—Oct. 7, by J. Hatcher, city clk., filter plant, pumping station, etc. Z. A. Thompson, mayor; adv. E. N.-R. Sept. 18.

Ill., Kenilworth—Sept. 23, water system, $35,000; sanitary sewers, $16,000. F. L. Streed, village mgr.; adv. E. N.-R. Sept. 18.

Ill., New Athens — Oct. 6, by Village, 500,000 gal. filtration plant, etc. S. Krebs, Belleville, civil engr.; adv. E. N.-R. Sept. 18.

Ill., Pinckneyville — Sept. 30, P. J. C. Hamm, city clk., for filter plant and pumping station Beard Eng. Co., Title guaranty Bldg., St. Louis, Mo., engrs.; Adv. E. N.-R. Sept. 18.

Minn., Lakeville — Sept. 24, by G. W. Tullock, village clk., waterworks system, c.i. mains, hydrants, valves, specials, steel tower tank, wells, pump and pump house. $22,000. Druar & Millinowski, 500 Globe Bldg., St. Paul, engrs. Noted Aug. 7.

Ont., Windsor—Oct. 3, by R. B. Braid, secy. Essex Border Utilities Comn., Heintzman Bldg., 2,500 tons more or less c.i. pipe and specials, valves, etc. J. C. Keith, ch. engr.; adv. E. N.-R. Sept. 18.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 58th Rd., Talbot Pl., Marion, Remsen, Jupiter, Pulaki, Saultell, Stoutenburgh, Vincent, 21st 8th and 213th Sts., from S. Gallucci, Railroad Ave., Corona, $16,600. Noted Sept. 4.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Burke, Bussing, Fenton, Fish, Harper, Hollers, Mace Sts., etc., from Paladino Contg. Co., 437 East 120th St., $23,458. Noted Sept. 4.

O., Cleveland—Cleveland Water Dept., furnishing filter sand and gravel for Baldwin Filtration Plant, Contr. 52, from Municipal Serv. Co., Pittsburgh, Pa. $47,472.

Calif., Monrovia—From Albert & Davison Pipe Co., Monrovia, 4 in. standard screw recess coupling, $0.49 per ft., f.o.b. Monrovia.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Kenmore and McKay Places, Avenues P, Q and S, Flatlands, Louisiana, 7th and 24th Aves., Essex, Ryder, 51st, 64th, 71st, 80th, 81st, East 27th, 98th, West 9th and 12th Sts., to Paladino Contg. Co., 437 East 120th St., New York, $8,676. Noted Aug. 28.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hinman St. and Greene Ave., also Graham, Nelson, 11th, Hallett, Howland Aves., etc., to Norton & Rigney, 510 West 148th St., New York, $16,489 and $17,469 respectively; mains in Calamus, Waters, Clinton, Fillmore Aves., etc., to Stanhey Constr. Co., Steinway Ave., $24,574. Noted Sept. 11.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Astoria, 37th and 42nd Sts., to Kennedy & Smith, 93 Amity St., Flushing, $12,200, in Anable, Carolin and Packard Sts., also Polk, Roman, 13th, 33rd and 114th Sts., to J. A. Gregory, 251 East 124th St., New York, $5,987 and $3,543 respectively. Noted Sept. 11.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal mains in Amundson, Adee, Arnow and Bissel Sts., etc., to C. De Blasio, 339 7th Ave., Mt. Vernon, $24,490. Noted Sept. 11.

N. Y., St. Johnsville—Constructing water distributing system, to H. W. Golden & Sons, Troy, $100,000. Noted Aug. 14.

O., Cleveland—Cleveland Water Dept., 1, 2 and 3 story and basement, 71x360 ft., brick, steel and concrete chemical house and mixing chambers, for Baldwin-Fairmount Project. Contr. 54, Part 1, to Stange-Walsh Constr. Co., 2074 Fairmount Rd. Engrs. est. $615,000. Noted Sept. 4.

Ind., Anderson — Pipes, fittings and valves for 2 mi. water pipe line, to J. B. Clow Co., Cleveland, O., $27,607; digging and excavation, to J. T. Burke Co., Anderson, $18,315; hydrants, to R. D. Wood., 3711 Wilton Ave., Chicago, Ill., $2,620. Engrs. est. $60,000.

Mich., Detroit—Furnishing 700 tons c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $51.50 per ton, also 675 tons to J. B. Clow & Sons, Franklin and Harrison Sts., Chicago, Ill., $51.50 per ton, f.o.b. Detroit.

Mich., Detroit—Water Bd., furnishing 200-8 in. waterworks gates to Michigan Valve & Fdry Co., 3631 Parkinson St., $44.95 each.

Wis., Beloit—See "Sewers."

Ia., Sioux City — See "Streets and Roads."

Colo., Denver—For 12- to 22-in. flange and hub valve to Hendrie & Boldhoff Mfg. Co., 1639 17th St., $1,738; 24- to 54-in. valves, to O'Fallon Supply Co., 1625 15th St., $57,866; 4- to 60-in. valves, to Rensselaer Valve Co., Ontario St., Troy, N. Y., $33,592.

Sewers

PROPOSED WORK

Conn., Hartford — Plans sewers and appurtenances in Manetock St., Hillside Ave. from Freeman to Yale Sts., Yale St. from Hillside to Fairfield Ave. $25,000. R. N. Clark, city engr.

Conn., New Britain—Plans 10 m.g. sewage disposal plant. $25,000. J. D. Williams, City Hall, engr.

Conn., Wethersfield — Plans sewers in Main St. from Marsh St. to Chemical Lane. $25,000.

N. Y. Albany — Making plans repairing sewage disposal plant and reconstructing 16 concrete tanks. $400,000. L. W. Herzog, Albany, engr.

Va., Richmond—Making surveys sewers in Westhampton Dist. $75,000.

N. C., Aulander—See "Waterworks."

Mich., Detroit—Wayne Co. Rd. Comn., Real Estate Exch. Bldg., had plans prepared 1,350 ft. 72 in. rein.-con. sewer in Warren Ave. and Emerson Rd.

Mich., Detroit—Dept. Pub. Wks., making plans 3,723 ft. 10- to 18- in. vitr. crock sewer in Lateral 4208, 7,764 ft. 12- to 24-in. Lateral 4211, 3,651 ft. 12- to 24- in. Lateral 4214, 801 ft. 12- to 15- in. Lateral 4221, 12,121 ft. 12- to 24- in. Lateral 4224, 1,944 ft. 12 in. Lateral 4231, 469 ft. 12 and 15 in. Lateral 4232, 500 ft. 12 in. Lateral 4233, 1,818 ft. 12- to 18-in. Lateral 4234. G. Jerome, city engr.

Mich., Grand Rapids—Making plans 5,600 ft. 9 x 11 ft. semi-elliptical sewer in Century Ave., Pere Marquette Ry., Virgis and Stevens Sts. $275,000. M. Adams, City Hall, sanitary engr.

Mo., Marshfield—See "Waterworks."

Tex., Dallas — M. G. James, city secy. soon takes bids 4 centrifugal motor driven sewage pumps. L. H. Ernest, City Hall, engr.

Tex., Dallas—Making plans sewers from White Rock to river. $150,000. E. A. Kingsley, city engr.

Tex., Dallas — Myers & Noyes, engrs., Deere Bldg., soon takes bids sewer and water supply for new addition on Maple Ave. between Love Field and Brook Hollow Country Club, for W. J. McKie, Corsicana, and L. W. Ferguson, Dallas. $25,000.

Tex., Trinity—See "Waterworks."

Okla., Blackwell—See "Waterworks."

Ont., Kenora—Made plans 2 mi. vitr. tile sanitary sewers. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Conn., Wallingford—Sept. 26, by J. P. Bridgett, warden and Court of Burgesses of Boro of Wallingford, vitr. sewers etc. W. A. MacKenzie, boro engr.; adv. E. N.-R. Sept. 18.

N. Y., Long Island City—Sept. 22, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in 169th St., Anable, 11th and 107th Aves.

N. J., Ridgewood—Sept. 30, at office Village Commissioners, sewage disposal works. W. Morris, village clk.; adv. E. N.-R. Sept. 18.

Pa., Bloomsburg—Sept. 29, by P. Jacobs, secy. Town Council, sanitary sewers, etc. R. A. McCachran, engr.; adv. E. N.-R. Sept. 18.

Mich., Royal Oak—Sept. 29, by P. H. Beauvais city mgr., furnishing 4 motor driven centrifugal sewage pumping units, and one motor driven sludge pumping unit, also 1,594 ft. 8 in. vitr. sewer in Sanitary Lateral 39, and 2,120 ft. 10 in. and 5,165 ft. 8 in. vitr. sewer in Sewer 40. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Kenilworth—See "Waterworks."

Calif., Reedley — Sept. 23, by City Trustees, sanitary sewer extensions and complete disposal plant. $130,000 bonds voted. J. S. Bates, Rowell Bldg., Fresno, engr. Noted Aug. 14.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Polk Ave., from A. Paino, 2016 East 14th St., Brooklyn A and B $123,332 each. Noted Sept. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., storm sewer in East Houston St., from T. A. Reilly Co., 48 East 41st St., $7,370, and in Park Terrace W., from J. V. Timoney Constr. Co., 220 East 201st St., $7,044. Noted Sept. 4.

N. J., Jersey City—Constructing outlet sewer along Jackson Ave., from P. F. Connelly Co., Stapleton, Staten Island, $1,001,000.

O., Idlewood (Cleveland Heights, P. O.) —Sewers in Meadow Brook Blvd., Sect. 2, from Iafornaro Constr. Co., 2218 Murray Hill Rd., Cleveland, brick $19,917, segmental block $18,667, concrete $19,367; 5,700 ft., 8- to 48-in. sewer Meadow Brook Blvd., from Kassouff & Co., 3182 West 25th St., Cleveland, brick $73,114, concrete $61,774, C. W. Jackson, 1318 East 84th St., Cleveland, segmental block $67,539.

Mich., Detroit—Dept. Pub. Wks., Canfield Ave. Arm of Connors Creek Sewer, and Canfield Ave. Arm of Ashland Ave. Sewer, from Detroit Drainage Constr. Co., 5099 LeMay Ave., $53,660 and $22,850 respectively.

Calif., San Francisco—Bd. Pub. Wks., Sept. 3, 531 lin.ft. 2 ft. 6 in. x 3 ft. 9 in., and 1,347 lin.ft. 2 ft. x 3 ft. rein.-con. sewer in Great Highway, from L. J. Cohn, 110 Sutter St., $19,479. Noted Aug. 28.

CONTRACTS AWARDED

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Sewer Div., City Hall, Boston, sewerage works in Stony Brook, Sect. 10 A, here, to W. Barrett & Co., 27 Hunneman St., Roxbury, $126,156. Noted Sept. 11.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewers in Brooklyn Ave., to A. Ilanti, 26 West Union St., West New Brighton, 85% engrs. est. ($2,590); in Nostrand Ave., to J. Gallo, 203 Division St., 129% engrs. est. ($1,605); in 68th St., to Nazzarro & Querriero, Inc., West 9th St., 80% engrs. est. ($4,515); in Clarkson Ave., to C. F. Vacharas, 645 40th St., 81.7% engrs. est. ($450). Noted Sept. 11.

N. J., Burlington—Extending sewers in various streets to Grant & Driver, 56 McKinley Ave., Trenton, $43,818. Noted July 3.

O., Columbus—See "Streets and Roads."

Sewers (Continued)

O., Toledo—For 5,900 ft., 6- to 39-in. vitr. clay sewer in Kemper Heights addition, Sewer 1417, to Thatcher Bros., Co., Water St., $25,268. Engrs. est. $25,197.

Mich., Springwells—B. P. Esper, city clk., to S. Fattore, 2201 St. Joseph St., 12,063 ft. vitr. crock sewers in Special Assessment Dist. 32, $36,561, 403 ft. 12 in. crock sewer in Dist. 35 $672, 5,074 ft. 12- to 20- in. sewer in Dist. 37 $10,088; to Coolsaet Bros., 911 Detroit Savings Bank Bldg., 3,228 ft. 12- to 27- in sewer in Dist. 39 $7,920.

Ill., Niles Center—Improving 24,250 ft. various streets, to E. Harding, Racine, Wis., $521,000. Engrs. est. $500,000. Noted Aug. 28.

Wis., Beloit—Pub. Wks. Comn., to A. Thomsen, 955 Park Ave., Kenosha, 700 sewer connections, $10,547; to Beloit Water, Gas and Electric Co., East Grand Ave., 650 water connections at $20 and $35 each, 650 gas connections at $15 and $25 each. Noted Aug. 28.

Ia., Sioux City—See "Streets and Roads."

Minn., Edina (Minneapolis P. O.) — About 10,00 lin.ft. sanitary sewers in various streets, to Thornton Bros., 318 Endicott Bldg., St. Paul, $9,990; 8,000 lin.ft. storm sewers, to P. Wendlendt, Olivia $16,891.

Kan., Wakeeney — See "Streets and Roads."

S. D., Brookings—Sewage disposal plant, to J. A. Dunkel, Webster City, Ia., $28,400. Noted Aug. 28.

Tex., Corsicana—Addition to sewage disposal plant, to L. L. Winans, 1924 Heaton St., Ft. Worth, $65,581; 35 tons c.i. pipe and fittings, to U. S. Cast Iron Pipe & Fdry. Co., Magnolia Bldg., Dallas, $4,500; 15,000 ft. tile pipe fittings, etc., to San Antonio Sewer Pipe Co., Bedell Bldg., San Antonio, $2,900.

Colo., Denver—For 8- to 24- in. vitr. sewers etc. in Globeville Special Sanitary Sewer Dist., to D. Gibbons, 1338 Bannock St., $163,117. Noted May 22.

Calif., Santa Barbara—For 3,800 lin.ft. 42 in. outfall sewer, to J. H. Tillman Co., Ry. Exchange bldg., Portland, Ore., $228,424. Noted Sept. 11.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., 3,000 ft. brick and concrete trunk sewer, to Goldie Constr. Co., 32 Church St., $48,600.

Waste Disposal

PROPOSED WORK

Ont., London—Plans enlarging incinerator. $25,000. W. P. Near, city engr.

Bridges

PROPOSED WORK

Tennessee—See "Streets and Roads."

O., Youngstown — Mahoning Co. plans bridge over Mill Creek Park. $300,000.

Mich., Grand Rapids—Making plans 1,300 ft. viaduct at Franklin St. crossing. W. D. Hudson, and H. Bartholomew, Compton Bldg., St. Louis, Mo., engrs.

Wis., Beloit—City Council making plans 525 ft. concrete or steel bridge at Portland Ave.; concrete or steel bridge over Turtle Creek at Broad St.; also 30 ft. concrete bridge, 24 ft., at north end of 4th St. G. E. Heebink, City Hall, engr.

Ia., Newton—Jasper Co. rejected bids 3 span, 20x90 ft. pony truss bridge. Will readvertise R. MacMurray, Newton, engr. Noted Sept. 11.

Neb., Dakota City — Dakota Co. plans bridge over Missouri River, between Sioux City and South Sioux City. $200,000.

Missouri—Chariton Co. (Keytesville) and Livingston Co. (Chillicothe), having preliminary plans prepared steel and concrete bridge over Grand River. $30,000.

Ont., Port Arthur — Northern Development Branch, Dept. Provincial Highways, Toronto, plans 125 ft. rein.-con. highway bridge 20 ft. roadway over Pine River on Port Arthur-Duluth Highway, here. $40,000. C. H. Fullerton, Parliament Bldg., Toronto, engr.

BIDS DESIRED

Massachusetts—Sept. 30, by Dept. Pub. Wks., Div. Highway, State House, Boston, 2 span, 382 ft. rein.-con. beam bridge and bituminous macadam approaches on highway, in Stockbridge; also 1 span 513 ft. bridge and approaches on highway in Chester. W. F. Williams, comr.

N. J., Flemington—Oct. 9, by Bd. Freeholders Hunterdon Co., two 60 ft. span concrete arch bridge across south branch of Raritan River, Lebanon Twp. G. Davis, Whitehouse Sta., co. engr.; adv. E. N.-R. Sept. 18.

N. J., Long Branch—Oct. 8, by Bd. Freeholders Monmouth Co. (Freehold) constructing Bridge 0.35, one 60 ft. plate girder span encased in concrete, Atlantic Ave., here. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Sept. 18.

N. J., Trenton—Oct. 6, by State Hy. Comn., Broad St. Bank Bldg., removing existing bridge, and constructing concrete encased I-beam bridge over Menantico Creek, M. P. 13.2, Route 15, Sect. 5, Cumberland Co. A. L. Grover, secy.; adv. E.N.-R. Sept. 18.

Virginia—See "Streets and Roads."

Fla., Arcadia—Sept. 27, by DeSota Co., 200 ft. span rein.-con. bridge, 18 ft. roadway, 20 ton capacity. Noted Jan. 24.

Indiana—Sept. 23, by J. D. Williams, dir State Hy. Comn., Indianapolis, **(r.c.a. means rein.-con. arch, r.c.g. rein.-con. girder, r.c.s. rein.-con. slab, r.c.b. rein.-con. box, s.t. steel truss)**, three 20 ft. and one 60 ft. r.c.a., one 20 ft. r.c.s., and one 6 & 6 ft. r.c.b. in Franklin Co., one 28 ft. r.c.g. in Fayette Co., four 55 ft. s.t. in Spencer Co., two 124 ft. s.t. and one 50 ft. r.c.a. in Perry Co., four 72 ft. and two 175 ft. s.t., three 16 ft. r.c.s., one 30 ft. and three 28 ft. r.c.g. in Crawford Co., two 66 ft. s.t. in Whitley Co., one 28 ft. r.c.g. in Allen Co., one 198 ft. s.t. in Switzerland Co.

Kan., Ford—Sept. 26, by Clerk Dodge Co. (Dodge City), seven 92.5 ft. span steel truss bridge, 1 mi. from here. Dodd & Finney, 216 West 6th St., Topeka, engrs. Noted Aug. 14.

Tex., Cameron—See "Streets and Roads."

Tex., Valley Junction (Hearne, P. O.)—Sept. 30th by A. F. Mitchell, engr., c/o City Hall, Cameron, 0.22 mi. bridge across Brazos River on State Highway 43-A, here, 57,000 lb. reinforcing 1,051,500 lb. structural steel, etc., for Milam Co. (Comeron) and Robertson Co. (Franklin) $40,000.

Washington—See "Streets and Roads."

Calif., Bakersfield—Kern Co. taking bids removing old bridge constructing five 30 ft. spans rein.-con. girder bridge, 32 ft. roadway, also 13 span rein.-con. deck girder 22 ft. roadway and 4 ft. sidewalks, all on Bakerfield-Rosedale Rd. J. R. Thornton, co. surv. Noted Aug. 28.

BIDS RECEIVED

Pa., Phila.—G. H. Biles, dir. Pub. Wks., Sept. 9, 78 x 116 ft., steel encased in concrete bridge on present abutments, new rein.-con. piers, on Girard Ave. over Pennsylvania Ave., from Golder Constr. Co., 263 South 15th St., for City and Phila. & Reading R.R., Reading Terminal. $93,340.

Missouri—State Hy. Dept., Jefferson City, Aug. 29, from V. C. Cossata, Oklahoma City, Okla., three 20 ft. rein.-con. slab spans, etc., over Butcher Creek, $4,468, five 20 ft. rein.-con. slab spans, etc., over overflow Post Oak River, $7,544, one 80 ft. steel truss span and two 25 ft. I-beam spans, etc., over Blackwater River Drainage Ditch, $14,344, all Johnson Co.; from M. E. Gillioz, Monett, three 30 ft. rein.-con. deck girder spans, etc., over Bear Creek, $11,962, two 10 ft. rein.-con. slab spans, etc., over stream, $3,824, one 60 ft. steel truss span etc., over South River, $10,929, all Marion Co.; from Lamereaux Bros. Co., Omaha, Nebr., three 18 ft. rein.-con. slab spans, etc., over stream, $4,639, two 60 ft. steel truss spans, etc., over Post Oak River, $19,374, both Johnson Co.; from C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, one 80 ft. steel truss span, etc., over Honey Creek Drainage Ditch, $15,410, one 80 ft. steel truss span, etc., over Honey Creek, $14,594, both Grundy Co.; from Western Bridge Co., Harrisonville, one 60 ft. steel truss span, etc., over Mound Creek, $13,045, seven 20 ft. rein.-con. slab spans, etc., over Possum Creek, $11,914, both Bates Co.; from Public Works Constr. Co., Century Bldg., St. Louis, one 45 ft. I-beam span, etc., over Drainage Ditch, $3,736, one 90 ft. steel truss and six 20 ft. I-beam spans, etc., over Ramsey Creek Diversion Channel $23,607, both Scott Co.; from Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, one 80 ft. steel truss span, etc., over Big Dry Wood Creek, Vernon Co., $18,872, thirteen 20 ft. rein.-con. slab spans, etc., Saline Co., $21,003; from St. Louis Foundation Co., Merchants-Laclede Bldg., St. Louis, one 30 ft. I-beam span, etc., over River Des Peres, St. Louis Co., $4,599; from Clinton Constr. Co., Clinton, eight 20 ft. rein.-con. slab spans, etc., over overflow Deep Water River, Henry Co., $12,365; from P. J. Murphy, Moberly, three 45 ft. and one 40 ft. rein.-con. deck girder spans, etc., over Beaver Dam Creek, Audrain Co., $19,477; from Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, one 75 ft. steel truss span, etc., over Missouri Kansas & Texas R.R. tracks, Callaway Co., $32,991; from Pope Constr. Co., Jefferson City, three 30 ft. rein.-con. deck girder spans, etc., over Turkey Creek, Callaway Co., $7,148; from Land Constr. Co., St. Joseph, one 70 ft. steel truss span, etc., over branch of Fishing River, Ray Co., $11,476; from S. J. Groves & Sons, Minneapolis, Minn., one 18 ft. and two 14 ft. rein.-con. slab, and three 25 ft. rein.-con. deck girder spans, Callaway Co., $10,193; from E. C. Johnson, Carrollton, one 30 ft., one 40 ft., and two 25 ft. rein.-con. deck girder spans, etc., over Crooked River, Ray Co., $17,614; from C. G. Oglesby, Memphis, Tenn., two 50 ft. I-beam spans, etc., over drainage ditch, Stoddard Co., $7,706; from V. E. Koch, Joplin, eleven 20 ft. rein.-con. slab spans, etc., over overflow of Big Dry Wood Creek, Vernon Co., $16,996. Noted Aug. 28.

Calif. Oakland — Supervs. Alameda Co., Sept. 3, two slab and girder type bridges on Crow Canyon Rd., from Kaiser Paving Co., Bank of Savings Bldg., Oakland, $10,759 and $12,193. Noted Aug. 28.

CONTRACTS AWARDED

Rhode Island — State Bd. Pub. Rds., Providence, 1 span, 85 ft. concrete bridge in Hopkinton-Westerly, to Milliken & Armstrong, 57 Eddy St., Providence, $47,900. Engrs. est. $50,000.

Conn., Manchester — Concrete bridge to Hubbard & Montit, 289 East Middle Turnpike. Engrs. est. $25,000.

Pennsylvania—See "Streets and Roads."

Pennsylvania—State Hy. Dept. Harrisburg, 1,362 ft. rein.-con. bridge with 11 spans over west branch of Susquehanna River, in Northumberland, Union and Snyder Counties, to G. W. Rockwell, Sunbury, $405,112. Noted July 24.

Ia., Atlantic—Cass Co., one 20 x 120 ft. high truss bridge with eight 20 x 26 ft. I-beam approaches, and two I-beam bridges, etc., to G. W. Condon, 510 Farnum Bldg., Omaha, Nebr. $52,500. Noted Aug. 21.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)**, bridges on F. A. P. 166, McCook Co., to W. Bernhart Constr. Co., Salem, $4,347; on F. A. P. 180 C, Corson Co., to Schreiber Eng. Co., Watertown, $29,955; on F. A. P. 184 A, Spink Co., to Iowa Bridge Co., 1263 East 19th St., Des Moines, Ia., $2,203; on F. A. P. 182 A, Buffalo-Jerauld Counties, to Pioneer Bridge Co., Mitchell, $23,484; on F. A. P. 170 E, Turner and Minnehaha Counties, to Federal Bridge Co., 1002 Bankers Trust Bldg., Des Moines, Ia., $15,914; on F. A. P. 187 A, Gregory Co., to W. Bonesteel, Wagoner, $7,495. Noted Aug. 28 and Sept. 11.

Arkansas—See "Streets and Roads."

Okla., Oklahoma City—City, lengthening present bridge over Canadian River on Exchange, and constructing three 100 ft. steel span bridge on Robinson Ave., Sects. A and B, to A. A. Davis & Co., Grain Exch. Bldg., $62,985. Engrs. est. $100,000.

Tex., Austin—Travis Co., bridging and rein.-con. culverts, 7 mi. Pflugerville Rd., 26 ft., to J. T. Peterson, Bastrop, $18,778; grading same to J. D. Winder, Austin, $9,725. Noted Sept. 11 under "Streets and Roads."

Idaho—See "Streets and Roads."

Dam

BIDS RECEIVED

Calif., Vallejo—For rolled-earth fill dam, 92 ft. high, 560 ft long on top, 45 ft. deep core trench, 275,000 cu.yd. earth fill, etc., from Kaiser Paving Co., 1st Bank of Savings Bldg., Oakland, $215,909. Noted Aug. 28.

Railways

PROPOSED WORK

Connecticut—New York, New Haven & Hartford R.R. Co., New Haven, plans electrifying 23 mi. branch railroad from South Norwalk to Danbury. To exceed $25,000. E. Gagel, ch. engr.

Missouri — See "Buildings" under St. Louis.

Texas—See "Mexico."

California—See "Buildings—Industrial."

Mexico—Tampico & Northern Ry. Co., Tampico, making surveys 500 mi. line from Tampico to San Antonio, Tex. $8,000,000. J. B. Carrington, Bedell Bldg., San Antonio, Tex., engr.

CONTRACTS AWARDED

California—See "Buildings—Commercial under Glendale."

Canada—Canadian Natl. Rys., New Union Sta., Toronto, to J. G. Hargraves & Co., Winnipeg, Man., grading 50 mi. West Loverna branch starting from Loverna, Alta., also grading, bridging and culverts on 2 mi. branch at Peebles South, Sask.; to Dutton, Mannix & Wilstrand, Winnipeg, Man., 40 mi. Dunblane Southeastern branch in Sask., 14 mi. tracks and grading to be done this year, to Boyds Ltd. and A. C. Bryson & Son, Winnipeg, Man., building Hanna-Warden line.

Railways (Continued)

Ontario—Toronto Transportation Comn., Front and Yonge Sts., Toronto, will build street railway traffic loop, 600 ft. single track on concrete base, 100 lb. steel street railway section, in Crawford St., Toronto, by day labor. $30,000. D. W. Harvey, mgr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Nev., Verdi—Walts Bros., Reno, plans 63,630 lin.ft. earth canal, 10 ft. wide at top, 6 ft. wide at bottom, and 2 ft. deep also earth dam, with concrete cut-off and rip rap face, 100 ft high, 372 ft. long on top. To exceed $100,000. Engineer not selected.

Calif., Tracy—Banta-Carbona Irrigation Dist., made plans dredging 275,000 cu.yd. material. W. D. Harrington, ch. engr. Noted July 24.

Calif., Vista—Plans election $1,000,000 or more bonds, 53,207 lin.ft. concrete lined canals, 16,700 lin.ft. steel siphon, 850 lin. ft. tunnel, 2,700 lin.ft. bench conduit, 3,310 lin.ft. concrete pipe, and reservoir, 320 acre ft. capacity, etc. J. B. Lippincott, Central Bldg., Los Angeles, engr.

BIDS DESIRED

New York—Sept. 30, by R. K. Fuller, comr. Canals & Waterways, Albany, excavating tail race for Vischer Ferry power house, Conts. B-6, and improving Watervliet aproach to Congress St. Bridge between Troy, (Rensselaer Co.) and Watervliet (Albany Co.); adv. E. N.-R Sept. 18.

Miss., Clarksdale — Sept. 23, by Commissioners Yazoo-Mississippi Delta D. D., about 25,000 cu.yd. banquette enlargement, Sect. 4, and part of Sect. 5, old Ward Lake levee. W. L. Head, ch. engr.

CONTRACTS AWARDED

Conn., Hartford — G. Fox & Co., 960 Main St., excavation for brick and steel, store and office building, Pratt and Strumbull Sts., to C. C. Kilby, Inc., 43 Farmington Ave.; pier sinking and foundation, to A. W. Bryne & Son, 79 Linnmore St. Noted Aug. 7 under "Buildings—Commercial."

Ark., Bridge Junction—St. Francis Levee Bd., two new sub-levees, 700,000 cu.yd. excav., etc., to J. E. Wedding, Bridge Junction, $0.239 per cu.yd.; 200 cu.yd. rein.-con. in spillways, culverts and aprons, to J. W. Hendrix, Portageville, $22.50 per cu.yd.

Ont., Burlington—Dredging and removing head block, etc., at Burlington Channel, to R. MacDonald Co. Ltd., Crown Office Bldg., Toronto, $13,600.

Streets and Roads

PROPOSED WORK

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, Bituminous macadam paving and bridge on 2,943 ft. highway in Russell, from Adams & Ruxton, 387 Main St., Springfield, $44,-983; bituminous macadam paving 3,065 ft. highway in Groveland, from Greenough Constr. Co., South Acton, $13,827; rein.-con. paving and bridge on 1,500 ft. highway in Lee, from Lane Constr. Co., 37 Colony St., Meriden, Conn., $38,578; steel bridge and approaches on 900 ft. highway in Sheffield, from D. D. White, Inc., 1 West St., Kingston, $52,888. Noted Aug. 28.

Massachusetts — State Highway Dept., State House, Boston, plans constructing 2 mi. highway from Marion to Cromeset Point and Mabska in Onset. W. F. Williams, comr.

R. I., Providence—Plans curbing and paving 1,200 ft. city Dock at Fields Point to Allens Ave. $25,000. W. H. Brandon, city engr.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, plans grading, bridging, etc. 4 mi., highway from Knoxville to Blount Co. line, 18 ft. J. G. Creveling, comr.

Tenn., Benton—Polk Co. authorized appropriation $50,000, surfacing 4 mi. highway from Benton to Bradley Co. line, probably macadam penetration.

Tenn., Knoxville—Knox Co. voted 40,-000 bonds reconstructing Clinton and Sevierville Pikes, macadam limestone. Work will be done by day labor under supervision of State Hy. Dept. J. W. Spradlin, Court House, co. engr.

N. C., Raleigh—City and Wake Co. making plans grading and asphaltic paving 1 mi. Whitaker Mill Rd., 18 ft. $30,000. C. C. Page, Raleigh, Comr. Pub. Wks. J. A. Stallings, co. engr.

O., Canton — Plans improving 1 mi. Serpentine Rd., 30 ft., $100,000, widening and opening DeWalt Ave. N. W., to point 200 ft. north of 6th St. W. W., $25,000; widening and asphalt resurfacing ¼ mi. Walnut Ave. N. E., $40,000-$50,000. W. E. Sarver, City Hall, engr.

O., Canton—Takes bids this fall asphalt paving 11th St. N. W. $30,000. W. E. Sarver, City Hall, engr. Noted Aug. 28.

O., East Liverpool—Plans improving, McKinnon Ave. $26,000, and Anderson Blvd. $30,000; brick paving 0.75 mi. Rural Lane. $30,000-$35,000. J. A. George, East Liverpool, engr.

Ill., East St. Louis—Making preliminary plans grading and rein.-con. paving two 28 ft. strips with parkway in center on 1 mi. Missouri Ave., $100,000, 1,800 ft. 8th St., 36 ft., $27,000; sheet asphalt resurfacing,, curbing, etc. 1 mi. St. Louis St., 48 ft., $100,000. W. M. Brown, City Hall, engr.

O., Ravenna—Plans improving Prospect St. from Main St. N. to Central Ave., $35,-000, Sycamore St. from Main St. S. to Harris St., $35,000, King St. from Main St. to Riddle Ave., $30,000; asphalt paving Main St., $40,000.

O., Youngstown—Plans improving Gypsy Lane abutting, Stambough Park. $60,000. G. Turner, city engr

O., Youngstown — Mahoning Co. plans constructing 3 mi. Mill Creek Rd. from intersection of Warren and Glenwood Aves. to the Canfield Austintown Rd., 100 ft. $200,000.

Mich., Detroit — Making plans grading and sheet asphalt paving 3,620 sq.yd. Conant Ave. Sect. 1, $18,180, 9,460 sq.yd. Conant Ave. Sect. 2, $47,320, 9,430 sq.yd. Conant Ave. Sect. 3, $47,130, 15,380 sq.yd. Conant Ave. Sect. 4, $76,680, 11,700 sq.yd. Plymouth Rd. $58,840, 5,400 sq.yd. Plymouth Rd. Sect. 3, $27,020, 1,520 sq.yd. Lambert Ave. Sect. 2, 7,580, 2,820 sq.yd. Princeton Ave. Sect. 2, $14,100, 2,850 sq.yd. Ashland Ave. $14,280, 9,730 sq.yd. Mendota Ave. $48,670, 13,600 sq.yd. Plymouth Rd. Sect. 2, $67,970, 4,520 sq.yd. Plymouth Rd. Sect. 4, $22,600. G. Jerome, city engr.

Ill., Galesburg—Plans grading, paving, curbing and guttering 6 blocks Pleasant Ave. and East Grove St. $25,000. A. L. Richey, city engr.

Minn., St. Paul—Plans brick paving Chicago Ave. between Robert and Wabash Sts. $25,000. G. M. Shepard, city engr.

Kan., Abilene—Dickinson Co. making preliminary plans 7.045 mi, Sect. A, Victory Highway Federal Aid Project 196, 28 ft. C. Nicholay, Abilene, engr.

Kan., Columbus—Cherokee Co. making preliminary plans grading and paving with chats, etc. 7.063 mi. Federal Aid Project 255, Sect. A, 18 ft. L. W. Terrill, Columbus, engr.

Kan., Ft. Scott — Bourbon Co. making preliminary plans grading, bituminous macadam paving 5.979 mi. Sect. A, Ft. Scott-Chanute Rd., Federal Aid Project 271, 16 ft. B. Boyle, Ft. Scott, engr.

Kan., Wichita — Making plans curbing, guttering and asphaltic concrete paving Willow and Topeka Sts.; curbing, guttering and 6 in. concrete paving Sante Fe Ave., Lewellyn, Piatt, 1st and Hiram Sts. P. L. Brockway, city engr.

Missouri — State Hy. Dept., Jefferson City, received no bids Aug. 29, 18 ft. concrete surfacing 2.257 mi. Moberly-Huntsville Rd., and 0.679 mi. road from Moberly north; 18 ft., brick paving 0.679 mi. Moberly North Rd. and 2.257 mi. Moberly-Huntsville Rd., all Randolph Co. B. H Piepmeier, ch. engr. Noted Aug. 28.

Mo., Albany—Election Sept. 23, $60,000 bonds graveling general streets.

Mo., Columbia — Making preliminary plans grading, curbing and paving Bway. from 3rd to 6th Sts., rock asphalt, and Paris St. from St. James to Orr Sts., concrete.

Mo., Kahoka—Voted $20,000 bonds (its share of cost) of paving Public Sq., etc.

Mo., St. Louis — Making preliminary plans opening Spring Ave. from Page to Market Sts. and widening between Page and Easton Sts., also widening Theresa Ave. from 60 to 80 ft. between Market and Lindall Sts. with cut-off into Lindell Blvd. $1,500,000. H. Bartholomew, Municipal Courts Bldg., engr.

Mo., St. Louis—Rd. Pub. Serv. making preliminary plans grading Beden Ave., $4,150; grading, curbing, guttering and paving with asphalt, willite, warrenite, asphaltic concrete, Kentucky rock asphalt, brick or plain concrete, Nagel Ave. $23,800-$26,300, Geraldine St. $21,000-$23,200, Bradley Ave. $44,500-$150,200, San Francisco Ave. $20,800-$21,400, Magnolia St. $182,000-$186,000; grading and vitr. brick or concrete paving Kraft Ave. $32,000, Spring Ave. $18,200-$20,800; reconstructing curbing, guttering and paving with asphalt willite or warrenite 9th St. from Hampstead to Branch Sts. $54,800-$58,2[illegible] and 9th St. from Branch St. to Bremen [illegible] $16,-900-$18,000, Belt St. $20,200-$21,800; improving alleys in city blocks [illegible]; 2806, 1430, 5123, 5505, 5315, [illegible] 5557, 5254, 2278 East, 1884, 1885, [illegible] 4057, 2483, 5278, 5258, concrete $57,450, brick on concrete $88,700 W. W. Horner, city engr.

Ark., Batesville—Plans paving 10 blocks Independence, Izard, White and Cross Sts., 56 ft. $50,000. Engineer not selected.

Ark., Batesville—Making plans grading curbing, guttering and hard surfacing 6 mi. streets in Paving Dist. 3. W. R Heagler & Sons, Fullerton Bldg., St. Louis, Mo., engrs.

Ark., Little Rock—Making preliminary plans grading, curbing, guttering and asphalt on concrete paving, 12,000 sq.yd. Paving Dist. 365. $60,000. G. Douglas, Southern Trust Bldg., engr.

Ark., Siloam Springs — Plans grading and paving 7 blocks in business section, 60 ft. $25,000. Engineer not selected.

Tex., Breckenridge—E. R. Maxwell, secy. soon takes bids asphalt paving 10,000 sq.yd. Sheldon Ave. from Albany Rd. to Curry St. $30,000. Rollins & Todd, City Hall, engrs.

Tex., Floresville—Wilson Co. soon takes bids grading, gravel and macadam base with 1 in. bituminous topping, also bridging 12.12 mi. State Highway 81, 18 ft. $223,035. F. E. Hess, co. engr.

Tex., Ft. Worth—Making plans rock asphalt or bitulithic paving Forest Park Driveway. $25,000. D. L. Lewis, city engr.

Tex., Refugio — Voted $142,000 bonds road construction in Rd. Dist. 4. Address J. T. Vance, co. judge.

Tex., Victoria—Refugio Co. voted $142,-000 bonds hard surfacing 11 mi. 3rd Precinct in Dist. 4, 18 ft. Address County Judge.

Tex., Waxahachie—Ellis Co. plans election soon $189,000 bonds improving highway in Italy Dist. W. A. Spalding, Waxahachie, engr.

Oklahoma—State Hy. Dept., Oklahoma City, had surveys made grading and paving 6 mi. road from Commerce to Picher, 18 ft., Ottawa Co. $38,000, J. M. Page, highway engr.

Okla., Cleveland—Plans improving 9 blocks residential streets, 12,347 sq.yd. concrete, 7,300 lin.ft. curbing, 4,000 cu.yd earth excav. $49,187. K. R. Fellows, Cleveland, engr.

Okla., Holdenville—Plans improving 9 blocks North Burgess St. from 5th to 14th Sts., 8,700 sq.yd. concrete, 6,100 lin.ft. curbing, 2,900 cu.yd. earth excav. $41,000. C. H. Edge, Holdenville, engr.

Okla., Kingfisher—Kingfisher Co. election Nov. 4, $650,000 bonds grading and concrete paving 60 mi. Meridian Highway. 18 ft. J. M. Page, Capitol Bldg. Oklahoma Bldg., Oklahoma City, engr.

Okla., Norman — Making preliminary plans grading and hard surfacing Johnson, Peters, Crawford and Ponca Sts., Dist. 52. F. Cobb, City Hall, engr.

Okla., Ponca City—Plans grading, curbing, guttering and vertical fibre brick paving 5,500 sq.yd. streets in residential section, Street Imp. Dist. 46. $31,000. G. Smee, Ponca City, engr.

Okla., Sand Springs—Plans improving 12 blocks residential streets, 15,600 sq.yd. concrete, 7,750 lin.ft. curbing, 5,500 cu.yd. earth excav. $69,000. C. Tingley, Sand Springs, engr.

Calif., Eureka — Made plans concrete curbing, guttering, sewer laterals and paving portion of Union St., approximately 160,000 sq.ft. 1½ in. Warrenite bitulithic on 2½ in. asphaltic concrete. H. H. Hannah, city engr.

Calif., Hawthorne—Made plans paving Lennox, Freeman Sts., etc., 20,748 lin.ft. grading, 40,882 lin.ft. curbing, 198,091 sq. ft. 4 in. cement sidewalks 638,872 sq.ft. 1½ in. willite paving on 2½ in. concrete. V. H. Staheli, city engr.

Calif., Marysville—Made plans guttering, sewers and paving portions of 13th, 11th and 5th Sts., etc., 1½ in. warrenite bituminous on 3½ in. bituminous base. $25,000. W. M. Meeks, city engr. Noted Aug. 31.

Calif., Oakland—Made plans improving Boden Way between Prospect Ave. and Beacon St., 5,721 cu.yd. excav., 1,575 lin. ft. concrete curb, 3,160 sq.ft. concrete gutter, 19,802 sq.ft. oil macadam paving, 7,925 sq.ft. cement sidewalks, etc.; also Shattuck Ave. between Telegraph Ave. and north city limits, 199,872 sq.ft. grading, 186,540 sq.ft. Warrenite bituminous on 6 in. concrete, etc. W. W. Harmon, city engr.

Ontario — Essex Co. (Sandwich) soon takes bids 25,150 sq.yd. rein.-con. paving

Streets and Roads (Continued)

various roads in Tecumseh, Division Rd. in Gosfield South Twp., in Kingsville and in Lesperance Rd. in suburbs of Windsor. $80,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Leamington—Making plans cement paving Elliot, Oak, Poplar and Foundry Sts. $40,000. R. M. Selkirk, city engr.

BIDS DESIRED

New Hampshire — Sept. 26, by F. E. Everett, comr. State Hy. Dept., Concord, graveling 0.76 mi. highway in Lancaster, $25,000, one 56 ft. span rein.-con. bridge and 1,600 ft. gravel approaches in Barnstead, $25,000.

Vermont — State Highway Dept., State House, Montpelier taking bids graveling 2 mi. highway in Swanton and Sheldon. $25,000. T. W. Dix, state engr.

Conn., Hartford—Sept. 23, by Bd. Contract & Supplys, 1,600 straight concrete combined curb and gutter and 100 ft. curved concrete combined gutter in Manetock St. $25,000. R. N. Clark, city engr.

N. Y., Long Island City—Sept. 22, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on Laurel Hill Blvd., South Rd., 76th St., Bway., 4th, 11th, and St. Nicholas Aves.; grading Mott Ave., Sheridan, and Woodhaven Blvds.; paving Woodhaven Rd.

N. J., Jamesburg — Sept. 25, by Freeholders Middlesex Co., concrete paving 8,300 sq.yd. Gatzmer Ave. from station to Lincoln Ave. M. F. Larson, 175 Smith St., Perth Amboy, engr.

Pa., Greensburg — Oct. 6, at office Comrs. Westmoreland Co., Court House, rein.-con. surfacing 6,121 lin.ft. Scottdale-Reagantown-Smithton Rd., Sect. 3, South Huntingdon Twp. bituminous surfacing 4,253 ft. Parnassus Puckety Creek Rd., and 22,557 lin.ft. State Route 69. W. A. Arter, co. controller.

W. Va., Morgantown—Sept. 23, by G. H. Bayles, city mgr., 9,025 sq.yd. paving and 6,734 lin.ft. curbing various streets. C. W. McDowell, city engr.

Virginia — Oct. 2, by State Hy. Comn., Richmond, improving roads Project F-126, Route 38, Project F-1450, Route 35, Project S-156-A, Route 29, Project S-191-D, Route 10, Project S-278-A, Route 18, Project F-347, Route 31, Project F-370, Route 37, Project F-379, Route 31; bridges on Project S-378, Route 10, and Project S-382, Route 36. C. S. Mullen, ch. engr., adv. E. N.-R. Sept. 18.

La., Leesville—Sept. 22, by R. S. Copeland, pres. Police Jury, Vernon Parish, improving 8 mi. road, 55,000 cu.yd. excav., 62,839 cu.yd. half mi. haul gravel, etc. C. Ford, Leesville, engr.

Michigan—Sept. 16, by State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, grading and surfacing 0.84 mi. State Trunk Line Rd. 13-50 B, 4,355 cu.yd. excav., 9,857 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Illinois—Sept. 22, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete brick or asphaltic concrete surfacing 0.32 mi. Route 19, Sect. 874, Cook Co. F. T. Sheets, ch. engr.

Ill., Kenilworth—Sept. 23, concrete paving. $125,000. F. L. Streeds, village mgr.; adv. E. N.-R. Sept. 18.

Ia., Marshalltown — City Clerk taking bids and opens same about Sept. 27, 1 mi. North 3rd Ave., 20,000 sq.yd. 8 in. rein.-con., 1,600 lin.ft. curbing, etc., 18 ft. and 24 ft. wide, part of Primary Rd. 14. O. G. Herm, City Hall, engr.

Neb., Albion—Sept. 26, by J. H. McClintick, clk. Boone Co., grading, etc., 4.8 mi. Albion-Newman Grove Rd., Federal Aid Project No. 207-A. $25,000. R. I. Cochran, Lincoln, state highway engr.

Neb., Plattsmouth—Sept. 25, by G. R. Sayles, clk. Cass Co., gravel surfacing 8.1 mi. Federal Aid Project No. 107-A, Cass Co., $30,000. R. I. Cochran, Brownell Blk., Lincoln, state highway engr.

Neb., Trenton—Sept. 26, by B. Vastine, clk., Hitchcock Co., grading, etc., 3.7 mi. McCook-Trenton Rd., Federal Aid Project 68-D. $25,000. R. L. Cochran, Brownell Blk., Lincoln, engr.

South Dakota—Sept. 23, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and S. A. means State Aid)** grading, etc., 7.42 mi. F. A. P. 187 B, Chas. Mix. Co., 192,710 cu.yd. common and 3,557 cu.yd. loose rock excav., etc.; concrete paving, 1,950 lin.ft. F. A. P. 153, Union Co., 4,680 sq.yd. one course cement etc.; one 33 ft. concrete viaduct on F. A. P. 187 B, Chas. Mix. Co., 7,390 lb. reinforcing, 14 timber bridges on S. A. 90 Dewey and Ziebach Counties, 4 timber bridges on S. A. 98, Ziebach Co., and 3 timber bridges on S. A. 98, Dewey Co. F. D. Hudgins, ch. engr.

Tex., Cameron—Sept. 30, by J. T. Kemp, judge Milam Co. grading, gravel surfacing and bridging 2 mi. State Highway 36 and 44, also grading bridge with 197 ft. steel truss across Little River. $92,000. A. F. Matchell, c/o City Hall, engr. Noted Sept. 11.

Tex., Dallas—Myers & Noyes, engrs., Deere Bldg., taking bids curbing, guttering, graveling and surfacing roads in Brookfield addition, for city. $75,000.

Tex., Houston—Taking bids paving road from Main to Fulton Sts., Caroline St. from Frankline to Pierce Sts., etc. $42,-500. J. C. McVea, City Hall, engr.

Tex., Jacksonville—Taking bids improving various streets 43,000 yd. brick, Uvalde rock asphalt, or sheet asphalt paving, 15,000 ft. curb and gutter, 14,600 yd. excav. O. L. Forsgaard, City Hall, engr.

Tex., San Antonio—Oct. 2, by Bexar Co., reconstructing old gravel base and surfacing with 1 in. limestone rock asphalt 8.16 mi. Seguin Rd., 18 ft. $90,000. A. O. Pancoast, co. engr. Noted Aug. 7.

Tex., Tyler — Taking bids brick or bitulithic paving 5 mi. South Bway. to intersect Jim Hogg Highway. $450,000. G. C. Bradfield, Court House, judge.

Tex., Waco — Oct. 13, by G. D. Field, secy., paving 25 blocks Washington St. from 8th to 23rd Sts., Franklin St. from 11th to 21st St. and Austin St. from 28th to 33rd Sts., 40 ft. $125,000. V. G. Koch, City Hall, engr.

Wyo., Casper—Sept. 22, by City Clk., grading and paving, plain, rein.-con., or asphalt, in Dist. 48, E. W. Fassett, city engr.

Calif., Sacramento—Sacramento Co. taking bids gravel surfacing approximately 18 mi. various roads. $28,000 to $30,000. C. W. Deterding, Jr., co. engr. Noted June 19.

BIDS RECEIVED

New Hampshire—State Hy. Comn., Concord, grading 1.87 mi. highway in Berlin, from O. W. Fernald, Berlin, $15,556, engrs. est. $25,000; asphalt paving 0.76 mi. highway in Pembroke, from Robie Constr. Co., Manchester, $14,893, engrs. est. $25,000. F. E. Everett, comr. Noted Aug. 21.

Rhode Island—State Bd. of Pub. Rds., Providence concrete paving 6.18 mi. Teff's Hill relocation of Nooseneck Rd., Federal Aid Project 23, Div. A, in Exeter and Richmond from A. W. Blakesley, 58 Waverly St., New Haven, Conn., $273,665. Noted Sept. 11.

New York—A. W. Brandt, comr. State Hy. Dept., Albany, constructing and reconstructing highways **(R. C. means Repair Contract and e. e. means engineers estimate)**, 2.18 mi. R. C. 1429, Cayuga Co., from C. Callahan, Auburn, $80,657, e. e. $83,499; 1.8 mi. R. C. 1416, Albany Co., from Friscell & Snyder Inc., Gardner, Mass., $91,968, e. e. $99,651; 1.27 mi. Highways 672 A, Onondago Co., from J. H. Corbett, Jr., Syracuse, $74,186, e. e. $82,774; 5.56 mi. R. C. 1427 Oneida Co., from Hogeboom & Campfield, Inc., Kingston, $201,025, e. e. $226,789; 0.36 mi. Highway 5702, Wyoming Co., from Cauty, O'Neil & Caudell, Inc., Buffalo, $33,345, e. e. $43,823; 5.71 mi. Highway 8190, Jefferson Co., from Miller, Haynes & Gillette Constr. Corp., Watertown, $210,646, e. e. $226,646; 0.33 mi. Highway 1695, Wyoming Co., from Strong & Steffy, Inc., 522 5th Ave., New York City, $24,316 e. e. $33,330; 0.39 mi. R. C. 3101, Livingston and Ontario Counties, from Curry & Macey, Inc., Dansville, $30,076 e. e. $43,441; 3.23 mi. Highway 8191, Steuben Co., from Huston & Burns, Burdette, $172,080 e. e. $204,201; 3.86 mi. R. C. 3091, Oneida Co., from Lane Qonstr. Corp., Meriden, Conn., $194,788 e. e. $211,-388; 1.36 mi. R. C. 1428, Putnam Co., from Camarco Constr. Co., Inc., Ossining, $61,-562 e. e. $69,162; 6.98 mi. R. C. 3102 Wayne Co., from J. H. Gallup Co., Inc., Union Bldg., Syracuse, $191,655 e. e. $237,-681; 4.11 mi. R. C. 1425, Steuben Co., from W. L. Collins & H. W. Patterson, Hornell, $188,247 e. e. $222,054; 3.26 mi. R. C. 3103 and 1430, Chenango Co, also 3.67 mi. R. C. 3104, Herkimer Co.; from Stento & Serafini, 84 Court St., Binghamton, 118,-830 and $189,388 respectively, e. e. $135,-391 and $205,328 respectively; 2.96 mi. R. C. 3105, Cattaraugus Co., from E. C. Jones, Great Valley, $141,185 e. e. $161,985.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, from F. Persicano, 350 Fulton St., grading, curbing and flagging, etc., Bedford Ave. $1,733 Ave. M $3,438; from B. Peconi & Son, 570 18th St., Beverly Rd. $2,572; from T. B. Scott, 671 Halsey St., Brooklyn Ave. $2,987, East 5th St. $3,188; from Borough Asphalt Co., 1301 Metropolitan Ave., asphalt paving Empire Blvd., $11,586, Montgomery St. $11,590, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Ave. K $22,112, New Utrecht Ave. $39,335, from M. J. O'Hara Contg. Co., 717 65th St., 14th Ave. $38,-631, from Cranford Co., 52 9th St., 64th Ave. $8,460, from Uvalde Asphalt Paving Co., 1 Bway., New York, Watkins St. $28,424; from Galco Contg. Co., 745 Dean St., grading, curbing and flagging Kings Highway $4,338; from Sicilian Asphalt Paving Co., 41 Park Row, New York, asphalt paving Noble St. $20,160, Driggs Ave. $78,945; from Greico Bros., 172 Russell St., granite paving Noble St. $5,096, Sigourney St. $7,783 Noted Sept. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sheet asphalt paving Pierce Ave., and grading, curbing and sidewalks on Junction Blvd. and Chauncey St., from A. A. Johnson Corp., Queens Blvd., $18,776, $229,978 and $63,891 respectively; Lafayette St., from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., $20,046; Lurting and Tory Sts., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, $7,207 and $7,768 respectively; Mt. Holyoke Ave., from Peace Bros., 57 North Laurence St., Flushing, $1,988; Beach 30th St. from Far Rockaway Constr. Co., $13,956. Noted Sept. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving West 4th St., from J. Meehan & Son, 74 Cortland St., $61,436; sheet asphalt repaving West 84th St. and Madison Ave., from Brusstar Constr. Co., Harlem River and 150th St., $17,991 and $18,985 respectively, East 121st St., from Interboro Asphalt Co., 2306 Creston Ave., $18,377; grading, curbing, etc., East 123rd St., from E. J. Fitzgerald, 547 West 45th St., $9,700, Seaman Ave. from Asphalt Constr. Co., 208 Bway., $58,850, Park Terrace, from Burnside Contg. Co., 270 Burnside Ave. $22,005. Noted Sept. 4.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt paving on 8 in. concrete, Clayton Ave. $24,883, Erbie Ave. $16,618 Sterrit, Ave. $19,592, Strong Ave. $25,745; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., Chalmers Ave., Sect. 4 $66,908, Lambert Ave. $10,748; from Cooke Asphalt Paving Co., 1230 Penobscot Bldg., Glenfield Ave. $113,572.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro., Boro Hall, grading and paving Scribner Ave., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $11,565; grading Ridgewood Ave., from J. Conden, 341 Cornelia St., Brooklyn, $27,154. Noted Sept. 11.

New Jersey—State Hy. Comn., Trenton, 7,102 sq.yd. bituminous macadam pavament, 71,440 sq.yd. borrow excav., on approaches to Mountain View grade crossing on Route 8, Passaic Co., from United Building & Constr. Co., Lodi, 103,017. Noted Aug. 21 under "Trenton."

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. Application)** rein.-con. surfacing R. 221, Blair Co., from H. P. Steigher & Co., Ltd., 319 Terminal Bldg., Toledo, O., $159,876, R. 17, Bradford Co. from Horn & Devling, Athens, $274,979, R. 112, Greene Co., from E. E. Morris, Waynesburg, $134,929, R. 62, Indiana Co., from M. J. McMahon, Brookville $33,082, R. 178, Montgomery Co., from McNichol Paving & Constr. Co., 1973 Cherry St., Phila., $102,099, R. 19, Sullivan Co., from Lane Constr. Corp., 35 Colony St., Meriden, Conn., $118,613; R. 204, Beaver Co., from Russell Bros., R. D. 5, Youngstown, O., $36,358, R. 151, Montgomery Co., from Ambler Davis Co., Harrison Bldg., Phila., $66,268, A. 2018, Monroe Co., from J. F. Chapman & Son, 173 Hillside Ave., Hillside, N. J., $61,180; 427 ft. gravity type retaining wall also waterbound macadam pavement on Route 162, Mauch Chunk Twp., Carbon Co., from M. J. McHale, 401 Harrison Ave., Norwood, $86,-246; Bridge and 2,806 ft. approach fills paved with 18 ft. bituminous macadam penetration surface at Long Bridge Sta., Westmoreland Co., from Pitt Constr. Co., Fulton Bldg., Pittsburgh, $187,106.

Delaware—State Hy. Dept., Dover, Sept. 10 grading and paving, etc. 4.58 mi. Clarks Crossroads-Maryland Line Rd., Contr. CS-35, from Sherman & Rhodes, Felton concrete $134,439; 3.71 mi. Omar-Clarksville Rd., Contr. CS-36, from Field Barker & Underwood, Phila., Pa., slag concrete $111,293. Sherman & Rhodes, Felton, stone concrete $117,650. Noted Aug. 28.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 7.3 mi. State Project 409, Deer-Creek-Sicily Island Highway, Catahoula Parish, from J. B. Smith, Harrisonburg, $41,711. Noted Aug. 21.

La., Lake Charles—E. T. Gorham, comr. Streets & Parks, paving various streets, from A. M. Fromherz, New Orleans, concrete, $198,565; from Kearney Constr. Co.,

Streets and Roads (Continued)

Memphis, Tenn., bitulithic, $260,810; from E. J. Deas & Co. Inc., Shreveport, 2½ in. brick, $252,333, 3 in. brick $268,410. Noted Aug. 14.

Michigan — State Hy. Dept., at office Comrs. Calhoun Co., Marshall, grading and surfacing 3.244 mi. State Trunk Line Rd. 17-15, from Rockford Constr. Co., Albion, $104,805.

Michigan — State Hy. Dept. at office Comrs. Manistee Co., Manistee, from L. W. Edison, Onaway, grading and surfacing 0.868 mi. Federal Aid Project 129 A3, 10,189 sq.yd. concrete, $22,788, 6.835 mi. Sect. A4, 72,284 sq.yd. concrete, $146,486, Sect. A1 52,603 sq.yd. concrete, $107,832, and 5.088 mi. Sect. A2, 51,498 sq.yd. concrete, $101,537. Noted Sept. 4.

Missouri—State Hy. Dept., Jefferson City, Aug. 29, from S. J. Groves & Sons, Minneapolis, Minn., grading 3.727 mi. Kansas City-Richmond Rd., Ray Co., $33,832, 3.695 mi. Richmond-Kansas City Rd., Ray Co., $34,458, 16 ft. gravel surfacing, 0.823 mi. Jefferson City-Fulton Rd., Callaway Co., $12,952; from Cook-O'Brien Constr. Co., 305 Railway Exch. Bldg., Kansas City, grading 3.697 mi. Kansas City-Richmond Co., Ray Co., $16,137, 2.257 mi. Moberly-Huntsville Rd., $10,178, 0.697 mi. Moberly-North Rd., $1,019, 18 ft. brick paving 2.936 mi. Moberly-Huntsville Rd., $85,153, all Randolph Co., from Pope Constr. Co., Jefferson City, grading and 18 ft. concrete surfacing 3.59 mi. Jefferson-City-Columbia Rd., $78,801, 0.689 mi. Jefferson City-Fulton Rd., $14,56, all Callaway Co.; from M. E. Gillioz, Monett, grading 0.834 mi. St. Joseph-Hannibal Rd., Marion Co., $11,140, 0.502 mi. Jefferson-City-Columbia Rd., $5,610, gravel surfacing 2.11 mi. Jefferson City-Columbia Rd., $2,090, all Callaway Co., 4.909 mi. Jefferson City-Columbia Rd., Boone Co., $11,088; from P. P. Young, St. Joseph, grading 2.212 mi. road from Maryville east and west, Nodaway Co., $16,437, 16 ft. gravel surfacing 3.297 mi. road from Grant City south, Worth Co., $25,232, 18 ft. gravel surfacing 2.71 mi. Maryville Rd. east and west, $14,935, 4 mi. Maryville Rd. north and south, $32,862, both Nodaway Co., from Nevada Constr. Co. Nevada, grading 3.386 mi. Nevada-Deerfield Rd., $23,377, 16 ft. chat surfacing 4.945 mi. road from Deerfield east and west, $37,353, both Vernon Co.; from Dexter Constr. Co., Dexter, 12 ft. gravel surfacing 3.296 mi. road from Doniphan east, Ripley Co., $13,115, from J. P. Sparks, Kirkwood, 1.736 mi. St. Charles-West Alton Rd., St. Charles Co., $19,811; from St. Louis Constr. Co., Frisco Bldg., St. Louis, 16 ft. gravel surfacing 2.067 mi. road from Potosi north, Washington Co., $22,712, from Jones & Harlan, 3.105 mi. Diggins-Seymour Rd., Webster Co., $16,302, from J. A. Kerr, Ozark, 3.069 mi. Houston-Cabool Rd. Texas Co., $10,388, from P. J. Murphy, Moberly, 0.282 mi. road from Mexico east Audrain Co., $6,837; from J. T. Simmons, La Plata, 18 ft. gravel surfacing 3.039 mi. Trenton-South Rd., Grundy Co., $16,607; from W. A. Ross, Kansas City, 5 mi. Bowling Green-Mexico Rd., Pike Co., $63,360, from C. H. Atkinson Paving Co., Inc., Watertown, S. D., 2.212 mi. road from Maryville east and west, Nodaway Co., $33,748; from Snow & Everts, Centerview, gravel surfacing 3 mi. Pleasant Hill-North Rd., Cass Co., $3,697, from H. N. McCoy, Waterloo, Ia., 4.54 mi. Jefferson City-Columbia Rd., Boone Co., $9,397, from C. S. Oclesby, Memphis, Tenn., 7 ft. gravel and 9 ft. concrete surfacing 2.083 mi. Essex-East Rd., Stoddard Co., $29,863; from M. Hasse, Trenton, grading 4.868 mi. Trenton-South Rd., Grundy Co., $29,512, from V. O. Cascota, Oklahoma City, Okla., grading 14.391 mi. Kansas City-Jefferson City Rd., Johnson Co., $94,955, from W. S. Kennedy, Marshall, 5.893 mi. Marshall-Glasgow Rd., Saline Co., $32,714, from F. Kersting Co., Jefferson City, 0.35 mi. Jefferson City-Columbia Co., Callaway Co., $16,771, from Woodsmall & Woodsmall, Marshall, 2.367 mi. Marshall-Glasgow Rd., Saline Co., $8,267, from F. T. O'Dell, New London, 4.374 mi. St. Joseph-Hannibal Rd., Marion Co., $39,721, from Public Works Constr. Co., 101 New York Life Bldg., St. Louis, 1.657 mi. Cape Girardeau-South Rd., Scott Co., $14,919, from Cameron Joyce & Co., Keokuk, Ia., 5 mi. Bowling Green-Mexico Rd., Pike Co., $19,396, from T. G. Morris, Oregon, 4.292 mi. Oregon-North Rd., $33,587, 4.413 mi. Oregon-North Rd., $22,404, both Holt Co., from Western Bridge Co., Harrisonville, 4.05 mi. road from Butler north and south, Bates Co., $28,907, from Dexter Constr. Co., Dexter, 2.083 mi. road from Essex east, Stoddard Co., $7,541. Noted Aug. 28.

Mo., Sedalia—From Bertman & Menefee, Sedalia, grading, curbing and concrete paving Massachusetts St. from Main to 3rd Sts. $2 per sq.yd.; from M. O. Thomas, Sedalia, Massachusetts from 3rd to 6th Sts. $1.99, Washington Ave. from 2nd to 5th tSs. $1.90; from Schrader & De Jarnette, Sedalia, 2nd St. from Missouri to Grand Aves. $1.85.

Arkansas—State Hy. Dept., Little Rock, grading, gravel surfacing, etc., 2.35 mi. Federal Aid Project 183-A, 18 ft., in R Dist. 5, St. Francis Co., from McWilliams Co., Inc., Memphis, Tenn., 37,551.

Tex., Johnson City—Blanco Co., grading and adobe surfacing 6,000 cu.yd. State Highway 46, State Aid Project 213-C, from Blanco County, c/o W. C. Matteny, judge, Johnson City, $26,382 Engrs. est. $29,000. Noted Aug. 21.

Tex., Orange—Orange Co., grading and rein.-con. paving 0.11 mi. State Highway 3, Federal Aid Project 305-B, 18 ft., from F. O. McElwrath, Corsicana, $28,819.

Calif., Compton—From G. H Oswald, 366 East 58th St., Los Angeles, improving Orange, Willow Sts., etc., 17,860 ft. curbing at $0.50 per ft., 86,930 ft. sidewalks $0.16, 263,500 sq.ft. grading $0.015, 263,500 sq.ft. 5 in. concrete paving $0.16, etc. Noted Sept. 11.

Calif., San Diego — Common Council, from G. R. Daley, 4130 Boundary St., improving Arnold St., 122,298 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving at $0.21 per sq.ft., 3,790 sq.ft. concrete sidewalks $0.23, etc., total $27,787.

Ont., Walkerville — Paving 12,000 sq.yd. various streets, from Merlo, Merlo & Ray, Ltd., Ford City, 8 in concrete base $32,052, 3 in. asphalt top $15,235.

CONTRACTS AWARDED

Massachusetts — State Highway Dept., State House, Boston, bituminous macadam paving 6,100 ft. highway in Dennis, to W. A. Jones, Barnstable. Engrs. est. $25,000.

Massachusetts—Dept. Pub. Wks., bituminous macadam paving 4,650 ft. highway in Barnstable, to S. W. Lawrence, Falmouth, $26,978; 4,890 ft. highway in Foxboro, to Morrill & Tiorle, 70 Barrows St. North Attleboro, $26,979. Noted Sept. 11.

Mass., Boston—Dept. Pub. Wks., City Hall, recut granite block paving Congress and other streets, to B. E. Grant, 77 Floyd St., Roxbury, $26,181.

Mass., Quincy (Boston P. O.) — Pub. Wks. Dept., to A W. Loud, 42 Brooks St., Wallaston, paving Summit Ave., $8,035, Central St. $14,775, East Squantum St. $4,060, and Gladstone St. $5,625.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., widening and wood block repaving 6th Ave., to J. Meehan & Son, 74 Cortland St., $27,632; sheet asphalt repaving 59th St., to Sicilian Asphalt Paving Co., 41 Park Row, $29,688. Noted Sept. 11.

N. J., Riverton—Asphalt paving Main St. and Thomas Ave., to Union Paving Co., 30th and Locust Sts., Phila. Pa. $34,866.

N. J., Sparta — Sussex Co. (Newton), concrete paving 10 ft. strip on 3.67 mi. road from here to Morris Co. line, to G. Van Keuren, Sussex, $78,938.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. Application)** rein.-con. surfacing 5,282 ft. A. 2004, Venango Co., to W. W. Wilt, Franklin, $67,564; 38,849 ft. R. 333, York Co., to Ambler Davis Co., Phila., $432,107; 24,871 ft. A. 2276, Venango Co., to Colonial Constr. Co., Wabash Bldg., Pittsburgh, $196,163; 13,406 ft. A. 1381, Lycoming Co., to T. B. Evans, Danville, $124,969; 18,385 ft. A. 2003, York Co., to P. R. Hastetter, Inc., York, $158,549; 4,922 ft. R. 242, Washington Co., to S. Gamble, Carnegie, $56,799; 6,092 ft. A. 1998, York Co., to F. E. Fish, Stockton, Md., $47,654; 12,398 ft. R. 355 and 291, Lycoming Co., to G. I. Thompson Co., Clearfield, $119,129; 27,126 ft. R. 232, Wyoming and Luzerne Counties, to J. M. Boyd, Kingston, $279,741; 19,950 ft. R. 258, Erie Co., to Jamieson & Narlee, Fredonia, $169,991; 12,390 ft. R. 197, Berks Co., to W. B. Sheidy, Wyomissing, $123,163.

Pa., Phila. — Pub. Serv. Com., to Duffin Bros., 3643 North 11th St., grading Fanshawe, Gilham, Magee, McKinley and Unruh Sts., $4.906; to S. Q. Ratzell, Limekiln Pike and Haines St., Middleton St. and Cedar Park, $1.825; to T. P. Lee, 5629 Cherry St., Trinity and 67th Sts., $14.395, to F. Mark Contg. Co., 2820 North 21st St., 16th St., $2,099; to Barber Asphalt Co., 239 North 30th St., asphalt paving Creswell St., $2,012, Pierce St. $5,430, Rutland St. $2,433, Spencer St. $2,915, asphalt repaving Pechin St $14.549; to Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., asphalt paving Penn St. $[illegible]47, Pratt St. $9,746; to J. Devlin, Jr., Hancock and Thompson Sts., repairing Fawn St., $739; to Fish-Rutherford Inc., 702 Trust Bldg., $28,551. Noted Sept. 11. Estate

Delaware—State Hy. Dept., Dover, 0.01 mi. concrete approaches at Smyrna, Contr. 25-C, from Smyrna Cement Products Co., Smyrna, $1,936; grading and paving 1.53 mi. Contr. CS-34, from Field Parker & Underwood, Phila., Pa., slag concrete $49,651, stone concrete $48,870; 2.22 mi. Contr. CN-21, from Stewart & Donohue, 14th and Grant Sts., Wilmington, $107,081. Noted Aug. 21.

Md., Baltimore — Grading, curbing and concrete paving 6,490 sq.yd. streets in Contr. 263-NA, to J. J. Bresnan & Co., 1626 Bank St., $17,852. Noted Aug. 21.

Miss., Bay St. Louis—Bd. Supervs. Hancock Co., graveling 7 mi. highway, 18,500 cu.yd. excav., to Lee & McLeod, Bay St. Louis, $27,910.

Miss., Port Gibson — Claibourne Co., gravel surfacing 4.941 mi. Fayette-Port Gibson Rd., 12 ft., Federal Aid Project 176-A, to C. W. McKeethen, Jackson, $35,004. Noted Aug. 14.

Miss., Hazelhurst — Copiah Co., gravel surfacing, 2.503 mi. Fayette-Hazelhurst Rd., Federal Aid Project 174-A, to W. C. Stowell, Hazelhurst, $17,440. Noted Aug. 14.

Louisiana—State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 5.3 mi. State Project 411, Minden-Springhill Highway, and 4.28 mi. State Project 410, Minden-Ringgold Highway both Webster Parish, to E. D. Harvey & Co., Memphis, Tenn., $42,168 and $17,686 respectively.

La., Baton Rouge — Graveling various streets to Thibodaux & Harrison, Baton Rouge, $96,621.

La., Lake Charles—Cement sidewalks on 33 streets, to Martin & Riling, Lake Charles, $47,300.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, grading, bridging, etc. 6.2 mi. road from Dyersburg to Lauderdale Co. line, Federal Aid Project 39 A. 18 ft., to D. M. Sparkman & Co., Dyersburg, $75,160.

Tenn., McKenzie—Concrete curbing and guttering 5 mi. various streets, also 4,000 sq.ft. concrete sidewalk, to Lawrence Constr. Co., Jackson, Miss., $30,000. Noted July 31.

Tenn., Nashville — Bd. Pub. Wks., will pave Church St. from 8th Ave. to Viaduct, ahphaltic concrete, J. Johnston Ave. from 12th to 20th Sts., oil surface treatment; also resurface Evanston St., 5th, 6th, and 7th Aves., by day labor. W. W. Southgate, City Hall, engr.

Ky., Henderson — Asphalt sheet paving various streets, to Premier Constr. Co., 906 Lemcke Bldg., Indianapolis, Ind., $123,145. Noted Aug. 14.

Ky., Hickman — Paving 5 mi. various streets, to Bridges Constr. Co., Wabash, Ind., $127,000.

O., Cleveland—To Baldwin Bros., 4500 Euclid Ave., curbing, guttering and vitr. brick paving West 52nd St. $2,407, Hillcrest Ave. $23,416, West 105th St. $51,464, West 176th St. $8,166, Benham Ave. $26,575, West 158th St. $13,680, West 116th St. $44,764, to Reiley Bros., 316 The Arcade, Dundee Dr. $24,542, East 6th St. $2,600, to H. G. Herring, 316 The Arcade, Bessemer Ave. $24,194, Clarkson Rd. $15,938, to Roehl Bros., 7002 Denison Ave., West 21st St. $16,153, Ardoyne Ave. $12,188, West 84th St. $8,322, to Gould & Maybach, 16313 Saranec Rd., 9,780 sq.yd. and East 161st St. Chautauqua and Huntmere Aves., $50,476; to Cleveland Trindad Paving Co., The Arcade, grading, curbing, guttering and asphalt paving 10,110 sq.yd East 164th St., Chapelside, Carlton and Orleans Aves., $43,202. Noted Sept. 11.

O., Columbus—W. H. Duffy, dir. Pub. Wks., to Franklin Asphalt Paving Co., 203 South High St., grading, laying water services, sewers and asphaltic paving 1,289 ft. Scioto Dr., $30,343, to B. F. Patterson, 1214 Neil Ave., 550 ft. Longview Ave., $7,377, to Cleveland Trinidad Paving Co., Grand Theatre Bldg., 425 ft. Vida Pl. $5,067, 925 ft. Ogden Ave. $11,791, 777 ft. Warren Ave. $9,771, 372 ft. Ellis Pl. $2,725, 1,900 ft. Westgate Ave. $25,308, 1,863 ft. Brinker Ave. $27,052; to J. O. Jones, 803-4 Wesley Block, 398 ft. alley west of Ohio Ave. brick $2,346, and 710 ft. alley north of 14th Ave., concrete, $4,625. Noted Aug. 28.

O., Euclid—Asphalt on concrete paving and cement curbing various streets, to Cleveland Trinidad Paving Co., The Arcade, $40,314.

Streets and Roads (Continued)

O., Toledo—Lucas Co., to Continental Bitumen Co., Toledo, grading, curbing, laying sidewalks and asphalt paving 5.840 sq.yd. Detroit Ave., $45,041, 700 sq.yd. Ohio St., $5,086, to H. P. Streicher Co., 319 Terminal Bldg., 2,081 sq.yd. Lake St. $11,712, 4557 sq.yd. Oakwood Ave. $28,-834, 5630 sq.yd. Streicher St. from College to Langrang Sts., $30,136; to C. P. Launder, Toledo, grading, curbing, concrete paving, etc. 1,126 sq.yd. Utah and Youdota Sts., $4,207; to Boyer & Rush, Toledo, 3½ in. brick paving, etc. 1,655 sq.yd. Streicher St., Otto Sect., $10,053.

O., Steubenville — Jefferson Co., natural lake asphalt paving Market St. from Liberty Ave. to Brady Lane, to Federal Asphalt Paving Co., Main and D Sts., Hamilton, $61,000.

Michigan — State Hy. Dept., at office Comrs. Oakland Co., Pontiac, grading and concrete surfacing 55,000 sq.yd. State Trunk Line Rd. 10-39 A, to White Constr. Co., 68 Wisconsin Ave., Milwaukee, $97,768.

Michigan—State Hy. Dept., Lansing, will pave 0.962 mi. Federal Aid Project 88 C-2, Ingham Co., concrete, by day labor. G. C. Dillman, ch. engr.

Michigan—State Hy. Dept. at office Comrs. Genesee Co., Flint, concrete surfacing 0.6 mi. State Trunk Line Rd. 87-2, 12,590 sq.yd. concrete and 0.75 mi. State Trunk Line Rd. 65-1 B, 12,180 sq.-yd. concrete, to Palma Constr. Co., Detroit.

Mich. Detroit — To M. R. Hanna Co., 1636 Dime Bank Bldg., grading and 3½ in. sheet asphalt paving 11,330 sq.yd. Dequindre St. $53,260, 7,790 sq.yd. Wildemere Ave., Sect. 1, $35,676, 7,800 sq.yd. Buena Vista Ave. $35,430, 7,300 sq.yd. McDougall Ave. $34,120, 2,690 sq.yd. Lawton Ave., Sect. 3, $12,441, 2,990 sq.yd. Ford Ave. $13,330; to Detroit Asphalt Paving Co., 909 Free Press Bldg., 4,920 sq.yd. Wilfred Ave. $24,706, 3620 sq.yd. Alter Rd., Sect. 1, $18,409, 4,480 sq.yd. Devereaux St. Sect. 2, $24,446, 5,250 sq.yd. Clifton Ave. $26,-278, 5,770 sq.yd. Lakeview Ave. $29,556, 1,200 sq.yd. Duncan Ave. $6,335, 5,990 sq.yd. Daniels Ave. $29,671, 7,180 sq.yd. Georgia Ave. $35914, 14,570 sq.yd. Houston Ave. $67,309, 2,900 sq.yd. Montevista Ave. $14,119, 4,090 sq.yd. Marion Ave. $20,493, 4,350 sq.yd. Morrell St. $21,791, 13,900 sq.yd. Warren Ave., Sect. 1 $55,663; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 2,690 sq.yd. Yellowstone Ave. $12,-887, 5,500 sq.yd. Petoskey Ave., Sect. 4, $26,219; to Dept. Pub. Wks., 7,410 sq.yd. Pine St. $38,834; to Wolverine Constr. Co., Penobscot Bldg., 4,600 sq.yd. Alley 2012, $21,517, 2,960 sq.yd. Alley 2013 $7,420, 1,390 sq.yd. Alley 2015 $3,494, 650 sq.yd. Alley 2016 $1,672; to McKenna Truck Co., 3559 Holcomb Ave., 2,040 sq.d. Alley 2014 $5,096, 1,720 sq.yd. Alley 2017 $4,332, 1,760 sq.yd. Alley 2018 $4,388 1,450 sq.yd. Alley 2019 $3,637, 990 sq.d. Alley 2020 $2,447.

Illinois — Dept. Pub. Wks. & Buildings, Div. Hys., Springfield, paving Route 2, Sect. 56A, McLean Co., to Berenz & Son, Bloomington, $5,692, Route 5, Sect. 2, Cook Co., to Standard Paving Co., 341 North Parkside Ave., Chicago, $32,360; grading Route 1, Sect. 32-A, Saline Co., to M. E. McQuire, Indianapolis, Ind., $40,199.

Ill., Peoria — Grading and asphalt on concrete surfacing Smith St. from Steubenville to Western Sts., to J. W. Bushell, Peoria, $28,084.

Ia., Bedford — Taylor Co., grading 9.91 mi. Primary Rd., to G. W. Condon, 519 Farnam Bldg., Omaha, Neb., $40,567. Noted July 31.

Ia., Mitchell—Osage Co. improving portion of Private Road Project 138D, north of St. Ansgar, to C. P. Leach, 3206 Myrtle Ave., Omaha, Neb., 10,082 cu.yd. excav. at $0.225 per cu.yd., 50 cu.yd. excav. $0.26, 2,200 cu.yd. excav. $0.254, 938 cu.yd. solid rock excav., $2, 8,091 cu.yd. loose rock excav. $0.60, 200 ft. 18-in. culvert labor $0.18, 380 ft. 24-in. culvert, labor $0.20, to Osage Cement Product Co., Osage, tile drain, 8,330 ft. 6 in. $0.1085 per ft., 2,725 ft. 8-in. $0.16, 4,000 ft. 10 in. $0.22, 1,280 ft. 12 in. $0.305, 14 intakes $20 each.

Ia., Orange City—Sioux Co., gravel surfacing, 10 mi. Rds. 19 and 10, Federal Aid Project 291, to J. L. Manley, Milbank, S. D., and W. J. Welch, Sheldon, Ia.

Ia., Sioux City—To Booth & Olson, 129 Virginia St., concrete paving 500 yd. Jones St., $2 per yd., 650 yd. 38th St. $2, 350 yd. alley in McFauls addition $2.10, 4,230 yd. South Cedar St. $1.94, 4,650 yd. West 24th and Geneve Sts. $1.92, 2,200 yd. Ross and Highview Terrace $1.99; to Western Asphalt Paving Co., 1st and Nebraska Sts., 3,160 yd. 19th St. $1.94, 9,500 ft. West 19th St. $1.94; to P. C. Hansen & Son, 1422 Court St., 750 yd. South Fairmount St. $1.97; to W. J. Higgins, 2137 Riverside Blvd. sewer and water connections in Tyler, Myrtle and West 19th Sts. $1.30 per ft.

Minn., Kenyon—H J. Held, city clk., improving various streets, 9,800 sq.yd. 7½ in. rein.-con., 5,800 lin.ft. integral straight curb, 450 ft. curved curb, storm water sewer, etc., to Welsh Paving Corp., 703 First National-Soo Line Bldg., Minneapolis, $30,082. Noted Aug. 28.

Kan., Wakeeney — Improving Franklin St., 8,211 sq.yd. brick on concrete, 2,054 ft. curb and gutter, 800 ft. 12- to 15- in. storm sewer, etc., to H. J. Taylor, Belleville.

South Dakota—State Hy. Comn., Pierre, **(F.A.P. means Federal Aid Project)**, grading 10.94 mi. F.A.P 166, McCook Co., and 11.11 mi. F.A.P. 161, Hanson Co., to W. R. Larson, 519 Secy. Natl. Bldg., Sioux Falls, $30,574 and $27,030 respectively, 10.95 mi. F.A.P. 180C, Corson Co., to England & England, Murdo, $43,481; 14.01 mi. F.A.P. 184A, Spink Co., to Dowd Bros. & Schreiber, Watertown, $38,345; 9.85 mi. F.A.P. 187A, Gregory Co., to R. P. England, Murdo, $50,743; 18.31 mi. F.A.P. 182A, Buffalo and Jerauld Counties, to W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, $60,247; 11.1 mi. F.A.P. 170 E, Turner and Minnehaha Counties, to Tobin & Maloney, Madison, $27,-909; 21.18 mi. F.A.P. 181A, Potter Co., to C. J. Wheelock, Pierre, $15,140. Noted Aug. 28 and Sept. 11.

Mo., Crystal City — Grading and 7 in. rein.-con. paving 9,470 sq.yd. various streets, to Dawson & Bowers Constr. Co., St. Louis, $28,675.

Mo., Richmond Heights (St. Louis P. O.) —Grading and rock asphalt paving 1,800 ft. Bredell St., 26 ft., and 1,800 ft. Park Ave., 36 ft., to E. Watson, Victoria Bldg., St. Louis. Engrs. ests. $29,830 and $35,-040 respectively.

Mo., St. Louis—Bd. Pub. Serv., to T. E. Cavenaugh, 5452 Oakland Ave., grading, paving and granitoid sidewalks on east side Kingshighway $12,292, to F. A. Stiers, 4500 Enright Ave., on west side Kingshighway $11,862; to Hinchman-Renton Constr. Co., 211 North 7th St., 6 ft. sidewalks on Chouteau St. $567, 5 ft. walks on Wilcox St. $297, Wallace St. $538; to A. C. Halbach, 2630 Montgomery St. 6 ft. sidewalks on Thurman Ave. $1,439, Milentz Ave. $830.

Mo., Sedalia — To Bertman & Menafee, Sedalia, grading, curbing and paving Massachusetts St., from Main to 3rd Sts., $2 per sq.yd.; to M. O. Thomas, Sedalia, Massachusetts St. from 3rd to 6th Sts., $1.99; to Schrader & De Jarnette, Sedalia, 2nd St. from Missouri to Grand Sts., $1.85. Noted Sept. 11.

Arkansas—State Hy. Dept., Little Rock, improving 7.026 mi. road between Augusta and Fakes, Impvt. Dist. 15, Woodruff Co., 352.36 cu.yd. concrete, 33,520 lb. structural steel in truss bridge, 32,010 lb. structural steel in I-beam bridges, 12,314 cu.yd. gravel hauled, etc., to C. L. Hager & Co., Walnut Ridge.

Ark., Little Rock—Grading, curbing, guttering and asphalt on concrete paving 10 blocks Paving Dist. 381, to P. F. Connelly Paving Co., Southern Trust Bldg. Engrs. est. $40,000.

Tex., Austin—See "Bridges."

Ark., Pine Bluff—Will grade and gravel surface 12 blocks East 17th St. from State to Ohio Sts., by day labor.

Tex., Sweetwater — Resurfacing and paving various streets, to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $47,448. Noted Aug. 28.

Tex., Groesbeck — Paving, etc., various streets 1½ in. natural pavement on 4 in. block, to Texas Paving Co., Southwestern Life Bldg., Dallas, excav., $0.50, headers $0.40, curb $0.80, gutter $0.80, curb and gutter $0.94. Engrs. est. $32,000. Noted Sept. 11.

Tex., Leakey — Real Co., grading and bridging 18 mi. State Highway 41, Federal Aid Project 407, to Bart-Moore Constr. Co., Amicable Bldg., Waco, $76,-844. Noted Sept. 11.

Tex., Temple—Paving 25,000 yds. various streets, 2½ in. brick on 5 in. base, to K. S. Hull, Waco, $2.98 per yd.

Oklahoma — State Hy. Dept., Oklahoma City, grading, paving, etc., 15.732 mi. Federal Aid Project 112-E, F and G, Cleveland Co., 166,123 sq.yd. Bates type concrete and rock asphalt on concrete, to Gibson & Mitchell, Pauls Valley, $499,013. Noted Aug. 28.

Okla., Holdenville—Improving 7 blocks North Creek and North Echo Sts., 8,360 sq.yd. concrete, 4,400 lin.ft. curbing, 2,800 cu.yd. earth and 170 cu.yd. rock excav., to Park & Moran, Okmulgee, $31,220. Engrs. est. $35,000.

Okla., Oklahoma City—M. Peshek, Jr., city clk., improving 11 blocks, Robinson and Exchange Aves., Sect. C, 7,500 sq.yd. asphalt, 1,800 lin.ft. curbing, 1,800 lin.ft. gutter, to Western Paving Co. Tradesmen Bldg., $26,790. Engrs. est. $35,000. Noted Aug. 28.

Okla., Tulsa — To Western Constr. Co., 815 Daniel Bldg., paving in Dist. 570 $18,-708, Dist 577 $17,545; to H. L. Cannady Co., 1104 South Lewis St., Dist. 571 $4,952, Dist. 573 $17,679, Dist. 575 $30,447; to Standard Paving Co., 1742 East 6th St., Dist. 572 $23,404; to Ward Paving Co., 540 South Victor St., Dist. 574 $4,952, Dist. 580 $2,741; to D. A. Burton, 544 South Vistor St., Dist. 579 $1,944.

Idaho — Dept. Pub. Wks., Bureau of Highways, Boise, grading, and crushed gravel, surfacing 6.46 mi. Yellowstone Park Highway between Ashton and Warm River, Federal Aid Project 85 A, Fremont Co., to C. A. Moore, Idaho Falls, $39,923; two timber and four concrete bridges on Yellowstone Park Highway between Pocatello and Fort Hall, Federal Aid Project, 78 A, to G. T. Davis, Pocatello, $15,806.

Idaho — Dept. Pub. Wks., Bureau of Highways, at Pocatello, Aug. 16, grading 13.92 mi. Lost River Highway between Blackfoot and Arco, Federal Aid Project 84-A, to W. M. Devlin, Pocatello, $24,087.

Idaho—Dept. Pub. Wks., Bureau of Highways, at Wallace, grading, and crushed rock, surfacing 3.27 mi. road between Pine Creek and Kellogg. Federal Aid Project 73 C, Sect. C, Shoshone Co., to Mohr Constr. Co., Spokane, Wash., $49,-496; crushed rock surfacing 5.88 mi. road between Wallace and Mullan, on the Coeur d'Alene-Yellowstone Trail, Federal Aid Project 73 C, Sect. B, Shoshone Co., to Payne & Doust, Spokane, Wash., $50,797.

Oregon—State Hy. Comn., Salem, grading and surfacing 3.56 mi. Old Oregon Trail, Malheur Co., 18 ft., to W. E. Strom, Enterprise, $29,602; grading 1.2 mi. Coos Bay Rosebury Highway, Coos Co., 60 ft. right-of-way, to J. Hampshire, Grants Pass, $35,560.

Calif., Glendale—To W. F. Hanrahan, Glendale, improving Central Ave., San Fernando Rd., etc., 537,200 sq.ft. grading at $0.05 per sq.ft., 529,025 sq.ft. 1½ in. Warrenite bituminous paving on 3 in. asphaltic concrete $0.25, 13,320 lin.ft. curbing $0.50, 8,175 sq.ft. sidewalks $0.16, 7,073 lin.ft. 10 in. sewer $1, etc., total $267,732. Noted July 31.

Calif., Los Angeles—Improving 3.52 mi. Garvey Ave., Rd. Impvt. Dist. 263, 25,646 cu.yd. excav., 63,327 sq.ft. concrete pavement, 45,677 sq.ft. disintegrated granite sub-base, 18,580 lin.ft. shape shoulders, etc., to Pioneer Transfer Co., Calexico, $69,850. Noted July 10.

Calif., San Francisco—Improving Vicente St. between 14th and 19th Aves., 2,878 lin. ft. concrete curbing, 85,392 sq.ft. asphaltic concrete, 3,000 sq.ft. art stone sidewalks, 19,592 cu.yd. cut, to J. M. Smith, 715 Ocean Ave., $55,566. Noted Aug. 21.

Calif., Stockton — Improving streets in Pacific Manor, Bonnie Lane, etc., to C. Moreing, Stockton, $54,949. Noted Sept. 11.

Que., Hull—Asphalt repaving 13,000 sq. yd. Champlain St., to Standard Paving Co., Elgin St., Ottawa, Ont., $1.95 per sq.yd.

Ont., Cornwall — Paving 12,000 sq.yd. various streets asphalt on concrete, concrete, to McLean & Stidwell, Cornwall, and asphalt to Standard Paving Co., Central Chambers, Ottawa. Engrs. est. $45,000.

Ont., London—Will pave with sheet asphalt Edward and Langarth Sts., cement curbs and gutters on Edward, Robert and Langarth Sts., by day labor, under direction of W. P. Near, city engr. $35,000.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—Manufacturing—Harbor Trust Co., Old South Bldg., having plans prepared by Blackall, Clapp & Whittemore, 20 Beacon St., Boston, 13 story and basement, 135 x 250 ft., rein.-con., brick, stone and steel, 460 Atlantic Ave.

R. I., Providence—Service—Providence Gas Light Co., Turks Head Bldg., having plans prepared, 3 story and basement, 300 x 300 ft. service building, and 1 story and

Buildings—Industrial (Continued)

basement, 90 x 220 ft. garage, Potter Ave. and Dexter St. Jenks & Ballow, 1035 Grosvenor Bldg., engrs.

Conn., Hartford—Plant—Natl. Iron Wks., 710 Windsor St., plans large iron works plant. To exceed $40,000.

N. Y., Brooklyn—Plant—Brooklyn Daily Times, 4th and Atlantic Aves., having plans prepared by Helmle & Corbett, 130 West 42nd St., New York, 8 story, brick, steel and stone publishing plant, Atlantic and Flatbush Aves. $500,000.

N. C., Winston-Salem — Plant — Hanes Finishing Co., c/o R. M. Hanes, Wachovia Bank & Trust Co., plans plant. $40,000.

S. C., Union — Mill — Excelsior Cotton Mills had plans prepared by J. E. Sirrine & Co., Greenville, for mill. $40,000.

Ga., La Grange — Power Plant — Hillside Cotton Mills Co. plans central power plant. $40,000.

O., Mogadore—Factory—India Tire & Rubber Co., plans 3 story, 60 x 160 ft., brick addition. $100,000.

O., Parma—Swift & Co., 3237 West 65th St., Cleveland, having preliminary plans prepared, sulphuric acid plant addition to fertilizer factory, here.

O., Salem — Factory—Victor Stove Co., plans 2 story factory addition, Depot St. $40,000.

Ind., Crown Point—Plant—Cummings Vote Registering Machine Co., plans plant of 1 story units with power house. $350,000.

Ind., New Castle—Mill—Indiana Rolling Mills Co., plans 1 story, 60 x 200 ft., steel addition. $50,000.

Mich., Algonquin (mail Saulte Ste. Marie) —Cadillac-Soo Lumber Co., plans rebuilding 2 story plant, recently destroyed by fire. $100,000.

Wis., Edgerton — Creamery — L. L. Hannan & E. G. Soltwedel, plan rebuilding 2 story, brick and tile, plain foundation, recently destroyed by fire. $40,000. Engineer and architect not selected.

Ia., Davenport — Factory — Larenson Harvester Co. plans 1 story, 60 x 200 ft., rein.-con. and brick, West St. Private plans.

Ia., Ottumwa — Laundries, etc. — See "Buildings—Commercial."

Mo., Springfield—Plant—Tulsa Oxygen Co. 305-7 First Natl. Bank Bldg., Tulsa, Okla., having preliminary plans prepared 2 story, brick and concrete plant, here. $125,000. Private plans.

Mo., St. Louis—Auto Repair—Riefling Auto Co., 2331 South Jefferson St., soon takes bids 2 story and basement, 75 x 120 ft., rein.-con., brick and stone, Jefferson St. $75,000. E. J. Hess, 3228 Magnolia Ave., archt.

Tex., Crowell—Plant—R. W. Porter, Blackwell, Okla., plans electric power and ice plant, here. $100,000.

Tex., Houston—Plant—J. S. Carter, secy. Texas Creamery Co., 2020 Texas Ave., soon takes bids plant, here, for Nissley Creamery Co., 17th and Jones Sts., Ft. Worth. $100,000. R. J. Cummins, 727 Bank Mortgage Bldg., engr. A. C. Finn, 505 Bank Mortgage Bldg., archt.

Okla., Guthrie — Plant — Pioneer Cotton Mills Co., 4th and College Sts., plans enlarging plant, etc. $200,000 appropriated.

Okla., Sand Springs—Plant and Shop—Pierce Oil Corp., having plans prepared improving plant, incl. 85 ft. smoke stack, new boiler and boiler house, 2 high pressure stills, capacity 8,000 and 10,000 gal. per day, also new machine shop. $2,000,000. Private plans.

Wash., Seattle—Mill—A. C. Goerig, 413 Fairview Ave., having plans prepared by V. W. Voorhees, Eitel Bldg., 1 story and basement, 130 x 180 ft. knit mill. $45,000.

California — Cement Plant, etc. — Calaveras Portland Cement Co., c/o W. W. Mein, 315 Montgomery St., San Francisco, making preliminary surveys cement plant, and extend railroad from Valley Springs to site of plant, Calaveras Co.

Calif., Berkeley — Factory — Premier Spring & Bed Co., 2401 17th St., San Francisco, had plans prepared by O'Brien Bros., Inc., 315 Montgomery St., San Francisco, 2 story, rein.-con., 3rd St. and Bancroft Way, here. $150,000.

Calif., San Francisco — Factory — Diamond Patent Show Case Co., Inc., 1625 Mission St., having plans prepared by J. P. Shaffer, 987 Mission St., 1 story, fireproof, Folsom and 8th Sts. $50,000.

Ont., Cooksville—Plant—Cooksville Shale & Brick Co. Ltd., plans machine shop and plant. $200,000.

BIDS DESIRED

Md., Baltimore—Automatic Sub-station—Sept. 19, by United Railways Co., Continental Bldg., 1 story and basement, 32 x 63 ft., brick, and concrete, plain foundation, 305-7 Guilford Ave. $40,000. G. F. Wennegal, Continental Bldg., assistant supt. Power.

Md., Baltimore—Manufacturing Plant—Baltimore Copper Smelt & Rolling Co., Highlandtown (Baltimore P. O.), will build 1 story, 38 x 312 x 428 ft., brick and steel, plain foundation, 5th and 2nd Sts., here. $200,000. Work will be done by separate contracts. Private plans.

N. C., Rocky Mount—Plant—Oct. 8, by T. T. Thorne, mayor, and Bd. Aldermen, City Hall, power plant, etc. W. Q. Olsen, Raleigh, consult. engr.; adv. E. N.-R. Sept. 18.

Okla., Oklahoma City—Plant, etc.—J. Huckins, Jr., 1703 North Hudson St., taking bids new power plant, heating system, wells, pumps, motors and refrigerative system, for Huckins Hotel. $100,000. W. H. Wells, St. Louis, engr.

BIDS RECEIVED

Calif., Sacramento—Laundry—Supervs. Sacramento Co., brick, steel and concrete powerhouse and laundry, hospital grounds, from F. H. Betz, 1831 Q St. $70,624. Noted Aug. 14.

CONTRACTS AWARDED

Mass., Fall River—Shop—Terry & Crawford, Blossom St., 1 and 2 story, 50x140 ft. blacksmith and repair shop, rein.-con. and brick, Blossom St., to F. J. Rudd, 66 Farnham St. Archts. est. $40,000.

Conn., Essex—Plant—E. E. Dickenson & Co., North Main St., 2 story and basement, 50 x 85 ft. chemical plant addition, brick, plain foundation, to H. Bengston, 303 Wakelee Ave., Ansonia. Archts. est $40,000.

N. Y., Kings Park—Power House—State Hospital Comn., Albany, general contract enlarging power house at Kings Park State Hospital, here, to McHarg-Barton Co., 328 Bway., New York City, $173,400; heating, to W. B. Armstrong Co., 3 Fulton St., $312,519.

Pa., Phila.—Plant—Model Mills Co., 4 story and basement, 63 x 163 ft., rein.-con. and brick, plain foundation, Ontario and I Sts., to W. Steele & Son, 219 North Broad St. Archts. est. $150,000.

Pa., Phila.—Power House—Germantown Dispensary & Hospital, general contract 1 story, 61 x 97 ft., brick and steel, plain foundation, Price St., to Ketcham & McQuade, 1029 Brown St.

Md., Baltimore — Plant — Montgomery, Ward & Co., T. F. Merselles, pres., Chicago Ave. and Larr St., Chicago, Ill., 8 story and basement, concrete and plain foundation, Lincoln Highway opposite Carroll Park, here, to Wells Bros. Co., Monadnock Blk., Chicago, Ill., $2,000,000. Noted Aug. 21.

N. C., Duke—Plant—Erwin Cotton Mill, 1 story and basement, 102 x 211 ft., rein.-con., to J. L. Crouse, Greensboro.

La., Shreveport—Plant—Schusters Wholesale Produce, general contract remodeling 3 story existing building into storage plant, 508 Commerce St., to J. W. Walter, 210 Main St. Archts. est. $55,000.

Ky., Louisville—Service—Red Star Yeast & Products Co., 79 Buffalo St., Milwaukee, Wis., 1 story and basement, 52 x 130 ft., brick, plain foundation, to G. H. Rommel Co., 956 Logan St. Archts. est. $50,000. Noted Aug. 21.

O., Cleveland—Plant—Cleveland Electric Illuminating Co., c/o E. J. Cook, Illuminating Bldg., 4 story, 115 x 238 ft. steam heating plant, brick, steel and concrete, 1830 Lakeside Ave., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $1,000,000.

O., Mansfield—Manufacturing—Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., 1 and 4 story and basement, 160x360 ft. addition, to Scholl Wolfe Co., West 4th St.

Mich., Detroit — Factory — Weston & Ellington, archts; 1507 Stroh Bldg., 2 story and basement, 100x250 ft., rein.-con. and brick, plain foundation, Scotten Ave., to O. Misch Co., 159 East Columbia St., for Howard Flint Ink Co., 1430 Sherman St.

Wis., Madison—Cold Storage Plant—O. Mayer & Co., North St., 5 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, to J. H. Findorff Co., 601 West Wilson St., $100,000.

Kan., Kansas City—Factory—K. C. Can & Mfg. Co., 1019 North 4th St., 1 story, 50 x 100 ft. and 50 x 75 ft., brick and steel, to P. J. Bares, 1938 Brighton St. Archts. est. $75,000. Noted March 27.

Mo., St. Louis—Plant—Tip Top Bottling Co., 1432 North Jefferson Ave., 2 story, 63 x 97 ft., rein.-con. and brick addition, Jefferson Ave., to T. C. Rukstack, 2623 Texas Ave. Archts. est. $40,000.

Tex., Houston—Factory—Southern Bag & Burlap Co., 2nd and Girard Sts., 75 x 200 ft., rein.-con., plain foundation, to D. Hall, Cotton Exch. Bldg., $52,000.

Tex., Lubbock—Plant—Lubbock Cotton Oil Co., Inc., brick and steel factory, to J. W. Neves, Citizens Natl. Bank Bldg., $60,000.

Tex., Mexia — Factory — J. K. Hughes, 5,000 spindle cotton cloth factory, brick and steel, to Inge Constr. Co., Main St and Exch. Pl., Dallas, $450,000 cost plus percentage basis. Contractor in market for materials.

Okla., Cleveland—Plant—Acme Brick Co., 1st Natl. Bldg., Ft. Worth, Tex., will improve and construct addition, by day labor. $75,000. R. G. Smith, c/o owner, engr.

Okla., Oklahoma City — Plant — Acme Brick Co., 1st Natl. Bldg., Ft. Worth Tex., will remodel and construct plant additions, by day labor. $60,000. Private plans.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — Museum — Museum of Fine Arts, Huntington Ave., having plans prepared by G. Lowell, 12 West St., 2 story and basement, 30 x 400 ft., brick and granite addition, Huntington Ave. $300,000.

Mass., Dorchester (Boston P. O.)—School—Schoolhouse Dept., City Hall, had plans prepared by J. J. Driscoll, 6 Beacon St., 2 story and basement, 80 x 120 ft., brick and stone, in John Marshall Dist. $200,000.

Mass., Fall River—College—Notre Dame Academy, having preliminary plans prepared by L. G. Destremps, 11 Pleasant St., Fall River, for college. $400,000.

Mass., Holyoke—Bank and Office—Hadley Falls Trust Co., plans brick and steel, store and office building, Maple and Suffolk Sts. $500,000.

Mass., Newton—School—School Com., G. M. Angier, chn., City Hall, having preliminary plans prepared by Haven & Hoyt, 220 Devonshire St., Boston, altering and constructing 3 story and basement, brick addition to Technical High School. $700,000.

Mass., Roxbury (Boston P. O.)—Store, Garage and Showroom—E. Clayton, 11 Beacon St., Boston, having plans prepared by Silverman, Brown & Heenan, 51 Cornhill St., Boston, 2 story and basement, 20,000 ft. floor space, rein.-con., brick and stone, plain foundation, 5-15 Madison Court, here. $200,000.

Mass., Swampscott—School—Bd. Selectmen, having preliminary plans prepared by Peare, Quiner, Nevin & Chickering, 6 Beacon St., Boston, 2 story, brick, Reddington St. To exceed $150,000.

Mass., West Roxbury (Boston P. O.)—School—School House Dept., Boston, having plans prepared by C. Howard & Sons, 120 Boylston St., Boston, 2 and 3 story and basement, 40 x 170 ft., and 80 x 110 ft., brick and stone, in Charles Sumner Dist., here. $400,000. Noted May 29.

Mass., Worcester—School—Superintendent Pub. Buildings having plans prepared by J. Rustigian, 405 Main St., 2 story and basement, 60 x 110 ft., brick and stone, Crawford St. and Bonst Ave. $150,000.

R. I., Cumberland (mail Manville) — Monastery—Sept. 22, by A. J. Murphy, archt., 146 Weybossett St., Providence, 1 story, 65 x 158 ft., steel and stone, plain foundation, Diamond Hill Rd., here, for Our Lady of the Valley Roman Catholic Church, Diamond Hill Rd. $200,000.

Conn., Farmington—School—Educational Dept., Town Hall, plans school. $150,000.

Conn., Hartford — Garage and Service Station—H. K. Noyes & Son, Inc., Pearl St., having plans prepared, 2 story 100x250 ft., brick and steel, Washington St. $150,000 to $160,000. Private plans.

Conn., New Haven—Office—V. Roth c/o Security Insurance Co., takes bids after Sept. 22, 115 Elm St., 2 story and basement, 100x150 ft., brick, plain foundation, Whitney Ave. $150,000. H. K. Murphy, 331 Madison Ave., New York City, archt. Noted March 6.

Conn., New London — Nurses Home — Lawrence & Memorial Associated Hospitals, Ocean Ave., plans nurses home. $250,000.

Buildings—Commercial (Continued)

N. Y., Astoria—Training School—Bd. Educ., 500 Park Ave., New York, plans brick, steel and stone, plain foundation, here. $1,000,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archts. and engr.

N. J., Trenton—Apartment—Cadwalader Apartments Corp., C. F. Foley, pres., c/o G. L. Miller & Co., Inc., 30 East 42nd St., New York, plans 8 story and basement, rein.-con., hollow tile and brick, West State St. and Hermitage Ave., here.

Pa., Norristown—Bank and Office—Norristown-Pennsylvania Trust Co. having plans prepared by Simon & Simon, 249 South Juniper St., Phila., 5 story and basement, 65 x 131 ft., steel, limestone and granite, plain foundation, 1 West Main St. $250,000.

Pa., Washington — Church — First Lutheran Church having plans prepared by J. C. Fulton & Son, Thompson Ruby Bldg., Uniontown, 2 story and basement, 112 x 125 ft., brick and steel, Franklin and Walnut Sts. $150,000.

Md., Woodstock — College — Woodstock College, Society of Jesus, plans 4 story and basement, 47 x 107 ft. extension to east wing, 2 story and basement, 50 x 104 ft. chapel and auditorium, also 2 towers, 119 ft. high to support water tanks granite and rein.-con., plain foundation. E. G. Perrot, 1211 Arch St., Philadelphia, Pa., archt.

La., New Orleans—High School—Jesuit College, 140 Baronne St., plans high school on Carrolton, Solomon, Banks and Palmyra Sts.

La., New Orleans—Hospital—Bd. Presbyterian Hospital, J. C. Barr, pres., had plans prepared hospital, nurses home, offices, etc. $1,000,000.

La., New Orleans — Schools — E. A. Christy, archt. Orleans Parish School Bd., prepared plans Jackson School, Magazine and Terpsichore Sts., rein.-con., brick and stone, $300,000; Craig School, 2 story, 110x247 ft., Phillip, Villere and Robertson Sts., $125,000; and brick and tile annex to Lutcher School, $60,000.

La., New Orleans — Store and Office — Canal-Baronne Realty Co., E. M. Loeb, pres., had plans prepared by S. S. Joy, 2001 West Pershing Rd., Chicago, Ill., first unit of 16 story store and office building, Common and Baronne Sts. $1,500,000.

O., Akron — School — Bd. Educ. plans Junior High School, 2 story and basement, on North Hill. $200,000 to $250,000.

O., Akron—School—Bd. Educ. plans 2 story and basement, Storer Ave. $200,000.

O., Cincinnati—Store—F. W. Woolworth Co., 26 West 5th St., having plans prepared by Garber & Woodward, Union Central Bldg., 4 story and basement, rein.-con., brick and steel, plain foundation, Race St. $150,000.

O., Cleveland — Exchange — Ohio Bell Telephone Co., C. P. Cooper, mgr., 4300 Euclid Ave., having preliminary plans prepared by Hubbell & Benes, 4500 Euclid Ave., 20 story 150x230 ft., brick and steel, Huron Rd. $5,000,000.

O., Cleveland—High School—Bd. Educ., F. G. Hogen, dir., plans 1 and 2 story addition to Junior High School, East 55th St. and White Ave. $236,700. W. R. McCornack, East 6th St. and St. Clair Ave., archt.

Mich., Detroit—Apartment and Stores—C. E. Schley, archt., 524 Griswold St., preparing plans 4 story and basement, 150x200 ft., rein.-con., and brick, plain foundation, Van Dyke and Gratiot Aves. $250,000. Owner's name withheld.

Mich., Detroit—Church—St. Ambroise Parish c/o Donaldson & Meier, archts., 1314 Penobscot Bldg., having plans prepared 2 story and basement, rein.-con., brick, steel and stone, plain foundation, East Jefferson Ave. $200,000.

Mich., Grosse Pointe Farms (Detroit P. O.)—Grosse Pointe Neighborhood Hospital, c/o Stratton & Snyder, archts., 1103 Union Trust Bldg., having preliminary plans prepared 2 story and basement, 50x300 ft., rein.-con., tile and stucco, plain foundation, Oak St. and Kercheval Ave. $200,000.

Wis., Eau Claire — Warehouse — Eau Claire Book and Stationery Co., 320 South Barstow St., having plans prepared by E. J. Hancock, Lacock Bldg., 4 story and basement, 80 x 132 ft., brick and concrete, plain foundation, River St. $150,000.

Wis., Madison — Hospital — Methodist Ministers Hospital Assn., c/o J. W. Irish, secy., 111 South Hamilton St., plan rein.-con., brick and steel, plain foundation. $1,000,000. Engineer and architect not selected.

Wis., Milwaukee — Apartment—J. Killa, 952 Sobieski St., plans 6 story and basement, brick and concrete, plain foundation, Astor and Knapp Sts. $200,000. Engineer and architect not selected.

Wis., Milwaukee — Apartment — F. P. Jones Co., (representing owner), 82 Wisconsin St., plans 6 story and basement, 120x143 ft., brick and concrete, plain foundation, Juneau Pl. To exceed $150,000. Owners name withheld. Engineer and architect not selected.

Wis., Milwaukee—School—Bd. Educ., c/o F. Harbach, secy., having preliminary plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., 3 story and basement, brick, tile and concrete, plain foundation, west of Washington Park. $250,000.

Wis., St. Francis—Seminary—St. Francis Seminary, having plans prepared by Brust & Philipp, 405 Bway, Milwaukee, 3 or 4 story, brick and concrete, plain foundation. To exceed $150,000.

Ia., Ames—Economics—Iowa State College soon takes bids 2 story and basement, rein.-con., brick and stone, on campus. $250,000. Proudfoot, Bird and Rawson, 810 Hubbell Bldg., Des Moines, archts. Noted Dec. 27.

Minn., Minneapolis—Store—Young-Quinlan Co., 513 Nicollet Ave., plans 6 story and basement, brick, stone and tile, Nicollet Ave. and 9th St., $400,000 or more. Architect not announced.

Mo., Carthage — Hospital — Carthage Hospital Bd. having preliminary plans prepared 3 story and basement, rein.-con., brick and stone. $150,000. Private plans.

Mo., Kansas City—Office, etc.—Belfast Investment Co., 226 New York Life Bldg., plans 6 or 8 story and basement, 96 x 103 ft., rein.-con. and steel. $200,000.

Tex., Beaumont — Schools — State Attorney General approved $150,000 bonds schools. Noted Oct. 18.

Tex., Dallas—Hotel—G. Crofford, 3711 Stratford St., having plans prepared by B. C. Hill, Interurban Bldg., 3 story, brick and tile, Washington St. $150,000.

Tex., Ft. Worth—Store—G. Polk, c/o Polk and Sanson, attys.; W. T. Waggoner Bldg., plans 6 story and basement, rein.-con. and brick, 7th and Lamar Sts. $200,000. Engineer and architect not announced.

Tex., Houston — Warehouse — Keown Hardware Co., 900-11 Preston St., plans 4 story and basement, 100 x 200 ft., concrete and brick. $250,000

Tex., McAllen — College — Bd. Trustees Carroll College, c/o J. M. Carroll, pres., having plans prepared by H. P. Smith, 312 Natl. Bank of Commerce Bldg., San Antonio, 3 story, 120 x 210 ft., and 40 x 54 ft. administration building, two dormitories, also boiler and engine house, rein.-con., brick and stone. $300,000.

Calif., Glendale—Hospital—C. E. Stuart, (interested in project), 638 East Bway., plans fireproof hospital, East Windsor Rd. To exceed $250,000. Engineer and architect not selected.

Calif., Lomita—School—Bd. Educ. takes bids about Nov. 30, 3 story, 70 x 257 ft., class room and administration building, 1 story, 32 x 84 ft. domestic science building, 1 story, 32 x 84 ft. manual training shop, two 1 story locker room and shower bath buildings, 1 story, 70 x 120 ft. auditorium, all brick, rein.-con. and cast stone, Walnut St. $350,000. A. C. Martin, 228 Higgins Bldg., Los Angeles, archt.

Que., Port Alfred — Mill—Port Alfred Pulp & Paper Co., plans new pulp and paper mill. $2,000,000. R. O. Sweezy, 136 St. James St., Montreal, engr.

BIDS DESIRED

Mass., Lynn—High School—Sept. 30, by Superintendent of Buildings, City Hall, 4 and 5 story, 55 x 125 ft., and 85 x 165 ft. high school, Essex and Liberty Sts. $600,000. G. A. Cornet, 10 Central St., archt. Noted Aug. 7.

Mass., New Bedford — High School — School Comn., taking bids 2 story, rein.-con., brick and steel, County and Morgan Sts. $150,000. Brown & Poole, 688 Pleasant St., archts. Noted Jan. 24.

Mass., Monson — High School — Town taking bids 2 story and basement, 100x135 ft., brick, $200,000. J. Burgess, chm. Building Comn. E. C. and G. C. Gardner; 33 Lyman St., Springfield, archts. Noted Aug. 21.

Mass., Worcester — Administration — Y. W. C. A., High St., taking bids 3 and 4 story and basement, 45 x 50 ft., brick, High St. $150,000. Frost, Edwards & Chamberlain, 300 Main St., archts. Noted Aug. 7.

N. Y., North Tonawanda—High School—Oct. 8, by Bd. Educ., constructing school $200,000. Tooker & Marsh, 101 Park Ave., New York City, archts. Noted July 10.

Pa., Bethlehem—Warehouse—Sept. 22, by C. H. Moores, archt., 110 East 42nd St., New York City, 7 story and basement, 150 x 200 ft., rein.-con. and brick, plain foundation, here, for Lehigh & North East Terminal Warehousing Co. $1,000,000. Moores & Dunford, 110 East 42nd St., New York City, engrs.

Pa. Johnstown—High School—Sept. 22, by Bd. Educ., 1, 2 and 4 story and basement, 100 x 200 ft. Central High School. $1,000,000. J. E. Adams, Nemo Bldg., archt.

Pa., Johnstown—High School—Sept. 25, by Bd. Educ., Central High School, 4 story and basement, 66 x 144 x 392 ft., and 1 story and basement, 113 x 185 ft. gymnasium and shop steel and brick, plain foundation, Somerset and Napoleon Sts. J. E. Adams, Nemo Bldg., and E. L. Tilton, 141 East 45th St., New York City, archts. Noted July 24.

Md., Baltimore—Schools—Sept. 20 (extended date), by Smith & May, Calvert Bldg., 3 story and basement, 60 x 265 ft., brick and steel, plain foundation, at Catonsville, $250,000, and 2 story, at Towson, $250,000. H. Massart, 328 North Charles St., engr. Noted Sept. 11.

Ky., Bowling Green—School—Sept. 27, by Bd. Regents Western Kentucky State Normal School, rein.-con., brick and stone school. $150,000. A. Ten Eycke Brown, Forsyth Bldg., Atlanta Ga., archt. Noted July 31.

Ky., Murray — Dormitory—Sept. 23 by Bd. Regents Murray State Normal School, general contract for 4 story and basement, 100 x 233 ft., brick and concrete, on campus, $150,000. T. Smith, Jr., Paducah, Ky., archt.

O., Cleveland — Temple — Sept. 30, by B'Nai Jeshuran Congregation, c/o M. Amster, 3502 Woodland Ave., 2 and 3 story and basement, 190 x 190 ft., brick, steel and concrete, Mayfield Rd. $1,000,000.

O., Mansfield—Bank—Sept. 23, by Bd. Director Citizens Natl. Bank, 2 story and basement, 50x100 ft., brick and stone, 3rd and Main Sts. $175,000. Althouse & Jones, Mansfield, archts. Noted Aug. 7.

Mich., Detroit—Apartment—A. F. Herman, archt., 710 Owen Bldg., taking bids and opens same about Sept. 25, 9 story and basement, 100x183 ft., rein.-con., brick and steel, plain foundation, 2nd Ave., for A. Cohen, 2615 Woodward Ave. $1,500,000.

Mich., Detroit — Warehouse — Smith, Hinchman & Grylls, archt., 800 Marquette Bldg., taking bids 6 story and basement, rein.-con., brick and steel, plain foundation, Jefferson Ave. and Beaubien St., for Burnham Stoepel Co., 101 East Larned St.

Mich., Iron Mountain—Theatre and store—J. W. Smith, archt., Iron Mountain, taking bids and opens same about Sept. 30, 2 story and basement, 52x120 ft. and 50x70 ft. brick, steel and stone, plain foundation, for P. Vanden Bergh Norway. $150,000. Noted Sept. 18.

Mich., Pontiac—School—Sept. 23, by Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Glenwood Ave. $150,000. Malcomson & Higginbotham, Industrial Bank Bldg., Detroit, archts.

Ia., Iowa City—Memorial—Sept. 22, by Boyd & Moore, archts., 810 Insurance Exch., Des Moines, 3 story and basement, 166 x 234 ft., brick and stone, rein.-con. for Bd. Iowa Memorial Union. $1,000,000. Noted April 27.

Ia., Sioux City—High School—Sept. 25, Bd. Educ., c/o H. C. Roberts, secy., Central Junior High School, 3 story and basement, 150 x 340 ft., brick, stone and rein.-con., 10th and Iowa Sts. $335,000. Beuttler & Arnold, 405 Grain Exch., archts.

Minn., St. Paul—Schools—Sept. 23, by H. W. Austin, city purch. agt., 3 story and basement, 129 x 238 ft. and 3 story and basement, 109 x 179 ft., both rein.-con., brick, tile and stone, Laurel and Mackubin Sts., $325,000 and $225,000 respectively. F. X. Tewes, City Hall, archt.

Mo., St. Louis—Garage—Peoples Motorbus Co., 585 Adelaide Ave., taking new bids 2 story, rein.-con. and brick garage and service building, Kingshighway, Iron St. and Grand Blvd. $300,000. Private plans.

Tex., Dallas—Sunday School, etc.—First Methodist Episcopal Congregation taking bids auditorium and Sunday school, rein.-

Buildings—Commercial (Continued)

con. and brick, plain foundation, Ross & Harwood Sts. $500,000. R. H. Hunt & Co., Southwestern Life Bldg., archts.

Tex., Houston — Church — Sept. 23, by Congregation Beth Israel, c/o H. Barnston, rabbi, 3515 Main St., and J. Finger, archt., 711 Keystone Bldg., 1 story, basement and gallery, 100 x 130 ft. church and 67 x 97 ft. Sunday school, rein.-con., brick and terra cotta, Austin and Holman Sts. $250,000.

Tex., Port Neches—High School—Sept. 25, by Bd. Educ., 2 story, rein.-con. and brick. $150,000. A. C. H. Page & Bro., 348 Austin Natl. Bank Bldg., Austin, archts. A. Babin, 15 Blanchette Estate Bldg., Beaumont, associated archts. Noted Aug. 21.

BIDS RECEIVED

Mass., East Boston (Boston P. O.)—School—Schoolhouse Dept., Boston, 2 story and basement, 150 x 200 ft., brick and stone, Maverick, Orleans and Everett Sts., in Samuel Adams Dist., here, from Alco Contg. Co., Inc., 43 Tremont St., Boston, $630,476.

Pa., Lancaster—High School—Bd. Educ., J. H. Wickersham, pres., 3 story and basement, 68 x 201 ft., rein.-con. and brick, plain foundation, from C. W. Strayer, 13th and Thompson Sts., Harrisburg, $216,000. Noted July 3.

Wis., Madison—High School—Bd. Educ., 22 West Dayton St., 4 story, 60 x 250 ft., rein.-con., brick and steel addition to East Side High School, plain foundation, from C. B. Fritz Co., 36 North Frances St., $249,988. Archts. est. $250,000.

Ia., Cedar Rapids — High School — Bd. Educ., 2 story and basement, 190 x 191 ft., rein.-con. and brick, J and 23rd Sts., W., from J. W. Hopp Constr. Co., Grandby Bldg., $266,915. Noted Aug. 21.

S. D., Sioux Falls—Church and Parsonage—First Lutheran Church, c/o H. J. Glenn, Sioux Falls, general contract brick, stone and concrete, 12th St. and Dakota Ave., from P. O. Nasvik, 1368 Ashland Ave., St. Paul, Minn., $123,434.

Calif., Long Beach—School—A. C. Price, secy. Bd. Educ., 436 Markwell Bldg., Aug. 25, general contract group of Alexander Hamilton High School buildings, State, Gundry Sts. and Alamitos Ave., from C. T. McGrew & Sons, 1345 West Ocean Blvd., $279,634. Noted Aug. 14.

CONTRACTS AWARDED

N. H., Hanover—School—School Bd., 1 story and basement, 110 x 115 ft., brick, to W. H. Turnbull, Hanover. Archts. est. $150,000. Noted Sept. 4.

Mass., Boston — Garage — Queensbury Realty Trust, c/o P. Poova, 18 Tremont St., will build 1 story and basement, 100 x 200 ft., rein.-con. and brick garage, repair and service building, 59-75 Queensbury St., by day labor. Archts. est. $150,000.

Mass., Boston—Home—City Overseers of the Poor, 3 story and basement, brick and limestone, Chardon, Hawkins and Bowker Sts., to A. Piotti Co., 708 Dudley St., Dorchester, $302,359. Noted Sept. 4.

Mass., Boston — Theatre — B. F. Keith Inc., 1564 Bway., New York City, 5 story and basement, brick and steel, Washington and Essex Sts., here, to M. Shapiro, 1540 Bway., New York City. Archts. est. $1,000,000. Noted March 6.

Mass., Brighton (Boston P. O.)—Apartment—Hurwitz & Goldberg, Old South Bldg., Boston, having plans prepared by Silverman, Brown & Heenan, 51 Cornhill St., Boston, 3 story and basement, brick and stone, Allston St. and Elizabeth Ave., here. $250,000.

Mass., Cambridge (Boston P. O.) — Apartment—Barrington Court, Inc., c/o F. W. Norris and W. W. Hablitzell, trustees, 31 Milk St., Boston, 7 story and basement, 16,500 ft. floor space, rein.-con., Memorial Dr. and Ash St., to M. W. Ryan, 2 Central Sq. Archts. est. $1,200,000.

Mass., East Boston (Boston P. O.)—School—Schoolhouse Dept., Intermediate School, 2 story and basement, 150x200 ft., brick and stone, Samuel Adams Dist., to Alco Contg. Co., Inc., 43 Tremont St., Boston, $630,476. Noted Aug. 28.

Mass., Lunenburg—School—School Com., 2 story and basement, 65x110 ft., rein.-con. and brick, to G. A. Fletcher, 215 Blossom St., Fitchburg. Archts. est. $150,000.

Mass., Plymouth — Memorial — Town, 2 story and basement, 100 x 200 ft., brick and tile, to G. Howard & Sons, 196 Main St., Brockton, about $250,000. Noted Sept. 11.

R. I., Wakefield—Hospital—South Co. Hospital, 3 story and basement, 100 x 150 ft., brick, to L. F. Bell, Wakefield. Archts. est. to exceed $150,000.

Conn., New Haven—Hospital—Hospital of St. Raphael, 1442 Chapel St., 4 story tnd basement, 45x150 ft., brick, plain foundation, George St., to Clark Constr. Co., 168 Grand St., Waterbury, Archts. est. $150,000. Noted Aug. 7.

Conn., Bridgeport—School—St. John the Baptist Catholic Church, 707 Artic St., 2 story and basement, 60 x 125 ft. school, Pembroke St., to M. Noonan, 171 6th St. Archts. est. $150,000. Noted July 31.

N. Y., Canarsie (Brooklyn P. O.)—Bd. Educ., 500 Park Ave., New York, constructing P. S. 114, Remsen Ave., here, to English Constr. Co., 15 West 91st St., New York, $248,000. Noted July 24.

N. Y., Long Island City—Office—Branhill Realty Co., c/o Shampan & Shampan, archts., 189 Montague St., Brooklyn, will build 2 story 102 x 140 ft. brick, steel and stone, plain foundation, Jamaica Ave. near 150th St., by day labor. $200,000.

N. Y., New York—Apartment—Friedman-White Realty Co., c/o C. B. Meyers, archt. and engr., 32 Union Sq., will build 15 story, 86 x 100 ft. brick, steel and stone, plain foundation, West End Ave. and 100th St., by day labor.

N. Y., New York—Apartment—Three Hundred Forty-Two West 21st St. Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 31 Union Sq., will build 6 story, 84 x 100 ft., brick, steel and stone, plain foundation, 331 West 24th St., by day labor. $200,000.

N. Y., Seneca Falls—School—Bd. Educ., brick, steel and stone, plain foundation, general contract, to Braas Bros. Inc., Niagara Falls; heating, to F. T. Lawrence, Corning, $33,284.

N. J., Morris Plains — Hospital — State Hospital for Insane, constructing 7 new 2, 3 and 4 story buildings, general contract to C. J. Smith Constr. Co., 202 Academy St., Trenton. $1,345,368; electrical work, to Beaver Eng. Co., 52 Mechanics St., Newark, $40,444; heating, also sewer and water services, to H. E. Crook Co., 28 Light St., Baltimore, Md., $157,200 and $30,684 respectively. Noted Sept. 11.

Pa., Lancaster—Dormitories—Franklin & Marshall College, c/o H. H. Apple, pres., two 2½ story and basement, 34 x 118 ft., rein.-con. and brick, plain foundation, College Ave. and Harrisburg Pike, to H. Wohlsen, Lancaster. Noted Aug. 7.

Pa., Lancaster — School — School Bd., general contract 3 story, 68 x 198 ft., steel, plain foundation, Ann and Juniata Sts., to C. W. Strayer, 13th and Thompson Sts., Harrisburg, $216,000; heating and ventilating, to Everts & Overdeer, Lancaster, $42,000.

Pa., Meadville—Hospital—Spencer Hospital Co., c/o L. E. Lee, chn., Erie, 3 story and basement, 38 x 134 ft., steel and brick, to Chapman & Graham, Erie. Archts. est. $150,000.

Pa., Mt. Lebanon (Pittsburgh P. O.)—School—St. Bernard Roman Catholic Congregation, general contract 2 story and basement, 66 x 147 ft. school, near here, to J. A. Romano, 700 Sheridan Ave., Pittsburgh. Archts. est. $175,000. Noted July 24.

Pa., New Castle — Cathedral — Scottish Rite, A. A. O. S. R., general contract 1 story, balcony and basement, 181 x 244 ft. cathedral, to S. M. Siesel Co., 1st Natl. Bank Bldg., Pittsburgh. Noted July 24.

Pa., Phila.—Club—Pennsylvania Athletic Club of Phila., c/o E. B. Morris, chn. Building Comn., Morris Bldg., 12 story, basement and subbasement, 175 x 195 ft., stone and steel, plain foundation, 18th and Locust Sts., to Thompson Starrett Co., 49 Wall St., New York City. Archts. est. $3,500,000. Noted June 26.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., general contract each 2 story and basement, 34 x 79 ft. and 34 x 113 ft. wings Lawndale and Hillerman Sts., to W. Langhorne Co., 10 South 18th St., $134,667; heating, to N. Connelly, 1404 North 8th St., $26,246. Noted Sept. 11.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., general contract 3 story and basement, 104 x 212 ft., rein.-con., brick, plain foundation, 12th and Federal Sts., to McCloskey Co., 1620 Thompson St., $399,449; heating, to N. Connelly, 1404 North 18th St., $46,998. Noted Sept. 11.

O., Columbus—Engineering and Experiment Station, etc.—Ohio State University, to D. W. McGrath & Sons, 255 East Broad St., engineering and experiment station, 4 story and basement, 90 x 110 ft., rein.-con. and brick, $138,500; educational building, 4 story and basement, 70 x 130 ft. and 60 x 90 ft. wings, $269,000, marble and tile contract $18,500; animal husbandry, 2 and 3 story and basement, 144 x 180 ft. rein.-con., brick and steel, $132,500, plastering and stucco work, $14,500; all on campus. Noted July 24 and Aug. 14.

O., Columbus—Seminary—J. J. Hartley, bishop Catholic diocese of Columbus, 198 East Broad St., St. Charles Seminary, 4 story and basement, 169 x 192 ft., with 2 story and basement, 37 x 62 ft. boiler room, rein.-con. brick and steel, East Broad St., to C. J. Lang, 555 South 5th St. Archts. est. $500,000.

O., Findlay—High Schools—Bd. Educ., South and North Junior High Schools, both 2 story and basement, 120 x 200 ft., rein.-con. and brick, to Orr & Miller, 519 Savings Bldg., Lima, $129,175 and $122,200 respectively. Noted Mar. 20.

Mich., Iron Mountain — School — Bd. Educ., 2 story and basement, 90x138 ft., brick and tile, plain foundation, to Phelps-Drake Co., Iron Mountain, $100,000. Noted Sept. 11.

Mich., Iron Mountain—Theatre and Office—Colonial Theatre Co., 1 and 2 story and basement, 75x120 ft., concrete and brick, plain foundation, to Foster Constr. Co., Caswell Blk., Milwaukee, Wis. Archts. est. $150,000. Noted July 31.

Ill., Dixon—Hospital—State Dept. Pub. Wks., Capitol, Springfield, general contract 1 and 2 story and part basement, rein.-con. and brick, here, to I. Hill, Nokomis.

Ill., Greenfield—High School—Bd. Educ., 2 story and basement, rein.-con., brick and stone, to J. H. Hunziner & Co., 6th & Cedar St., Davenport, Ia. Archts. est. $150,000.

Wis., Green Bay—Garage—J. Kittell, Bellin Bldg., 3 story and basement, 66 x 100 ft., brick and concrete, plain foundation, to H. J. Selmer Co., McCartney Bank Bldg. Archts. est. $150,000.

Wis., Milwaukee—High School—School Bd., c/o F. Harbach, secy., Junior high school, 3 story and basement, 40 x 50 ft. and 162 x 179 ft., brick, tile and concrete, excav. and concrete to T. Stark & Co., 130 Muskego Ave., $163,000; masonry, to W. Buchholz Co., 1081 Sherman Blvd., $90,000; carpentry, to H. Jahns, 1915 Chestnut St., $64,800; structural steel, to Huckendahl & Schmidt, St. Paul Ave., $19,978; steam heating, to Wenzel & Henoch, 493 27th St., $59,746; plumbing, to O. A. Waskow, State St., $33 645. Noted Aug. 28.

Ia., Waterloo—Temple—Masonic Temple Assn., c/o J. D. Leffring, pres., general contract, 4 story and basement, 80 x 142 ft., rein.-con., brick and stone, to Currie-Simpsin Co., L. & J. Bank Bldg., $138,000. Noted Sept. 4.

Neb., Omaha—Office—G. H. Doorly, World Herald Bldg., 8 story and basement annex, 15th and Farnam Sts., to Seldom Beck Co., Omaha, for World Publishing Co. $300,000. Noted Aug. 28.

Mo., St. Louis — Garage — Broad-Way Garage Co., Planters Bldg., 3 story and basement, 127 x 173 ft., rein.-con. and brick, to Gamble Constr. Co., 620 Chestnut St. Archts. est. $150,000.

Mo., St. Louis — Garage — Eighteenth Street Realty Co., c/o J. Lionberger, 312 North 8th St., general contract 3 story and basement, 233 x 344 ft., rein.-con. brick, stone and steel, to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg. Archts. est. $1,000,000.

Mo., Springfield — Science Hall—Southwest Missouri State Teachers College, 2 story and basement, rein.-con., brick and stone, to Stewart-McGee Constr. Co., Kahn Bldg., Little Rock, Ark. Archts. est. $200,000. Noted Aug. 14.

Tex., Houston — Garage — McNickels Garage Co., Louisiana St. and Texas Ave., 3 story, concrete, plain foundation, to D. Hall, 520 Cotton Exch. Bldg. Archts. est. $300,000.

California—Office—California State Automobile Assn., 1628 Van Ness Ave., 4 story and basement, Class A construction, Hayes and Van Ness Aves., to P. J. Walker Co., Sharon Bldg., approximately $500,000.

Calif., Glendale — Station, etc. — Union Pacific R.R. Co., 610 South Main St., Los Angeles, clay tile railroad station, concrete loading and unloading platforms, walks and 1,900 ft. new electric trackage, Glendale Ave., here, to Ryberg-Sorenson, Inc., Angelus Hotel, Los Angeles, 165,000.

Calif., Los Angeles—Auditorium—Mystic Shrine of Los Angeles, general contract, shrine auditorium building and banquet hall, at Jefferson & Royal Sts., to Edwards, Wildey & Dixon Co., 515 Black Bldg., $1,200,000. Noted June 26.

Calif., San Francisco—Apartment—A. Manny, et al, c/o C. Werner, archt., Santa

Buildings—Commercial (Continued)

Fe Bldg., 9 story and basement, Class "A" construction, Nob Hill, to J. H. Martinelli, 180 Jessie St., $250,000. Noted Aug. 21.

Calif., San Francisco — School — Notre Dame College, Delores and 16th Sts., 3 story, rein-con., Delores St., to J. A. Bryant, 185 Stevenson St., $165,000.

Calif., San Jose—Office—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, 2 story and basement, rein.-con., 3rd St., to R. O. Summers, 17 North 1st St., $152,000.

N. B., Fredericton—School—Bd. School Trustees, 130x143 ft. school, to R. A. Corbett, St. John, $160,000. Archts. est. $150,000.

Federal Government Work

PROPOSED WORK

R. I., Providence—Mud Removal—U. S. Engineer Office, Post Office Bldg., takes bids about Oct. 30, removing 5,257,000 cu. yd. mud for 30 ft. channel.

Texas—Reclamation—U. S. Government and De Witt Co., making plans reclaiming 20,000 acres in De Witt Co. along Guadalupe River. B. Swinney, c/o U. S. Engineer Office, Galveston, engr.

BIDS DESIRED

Pa., Phila.—Dredging—Oct. 8, by U. S. Engineer Office, War Dept., Wash., D. C., dredging 700,000 cu.yd. in Phila. Harbor.

D. C., Wash.—Power Plant—Sept. 25, by Dept. Interior, Wash., D. C., altering and building addition to power plant, at St. Elizabeths Hospital.

Ia. Cherokee—Post Office—Oct. 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing 1 story, 50 x 88 ft., brick and terra cotta post office, here.

Mo., St. Louis—Earthwork—Sept. 26, by Secretary Mississippi River Comn., 1311 International Life Bldg., 435,000 cu.yd. earthwork by hydraulic method in Sny Island D. D., Ill.; adv. E. N.-R. Sept. 18.

Idaho, American Falls—Dam—Oct. 20, by Dept. Interior at office Bureau Reclamation constructing dam, here E. Mead, comr.; adv. E. N.-R. Sept. 18.

Wash., Walla Walla—Administration—Oct. 7, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., administration building, etc., here.

Calif., Palo Alto—Laundry—Oct. 7, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., laundry building at U. S. Veterans Hospital 24, here.

BIDS RECEIVED

California—Road—C. H. Sweetser, dist. engr., 9 Main St., San Francisco, improving 6.75 mi. Salmon River Rd., Siskiyou Co., (a) contractor furnishes explosives (b) Government furnishes explosives, from A. D. Kern, Portland, Ore., (a) $136,915, from A. J. Fairbanks, 625 Market St., San Francisco, (b) $127,056. Noted Aug. 28.

CONTRACTS AWARDED

Mass., Chelsea—Storehouse—Superintendent Lighthouses, Boston, storehouse here, to Howard Bros., 412 Dorchester Ave., Boston, $26,700. Noted.

Tex., Galveston — Dredging — U. S. Engineer, dredging Houston Ship Channel, to United Dredging Co., 323 Security Bldg., Galveston, $618,175, and to Atlantic Gulf & Pacific Co., 13 Park Row, New York City, $416,666. Noted July 10.

Colorado — Roads — Bureau Pub. Rds., Custom House Bldg., Denver, grading 3.98 mi. Tennessee Pass Natl. Forest Rd., Eagle Co., to Wells Constr. Co., Boise, Idaho, $57,043; also 6.13 mi. Durang-Silverton Natl. Forest Rd., San Juan Co., to J. E. Hanson, Mancos, $49,850.

California—Bridges—C. H. Purcell, dist. engr., Post Office Bldg., Portland, Ore., 4 bridges on Granite Pass highway, Del Norte Co., to Kuckenberger & Whitman, Portland, Ore., $100,995.

Unclassified

PROPOSED WORK

Gas Main Extension—North Carolina—Carolina Power & Light Co., West St., Raleigh, making plans extending gas mains from Durham to Chapel Hill, 12 mi. P. A. Tillery, supt.

Sea Wall, etc.—Gulfport, Miss.—Harrison Co. election Nov. 4, $2,000,000 bonds, 14.125 mi. rein.-con. step-type sea wall along water front on Mississippi Sound, Gulf of Mexico. Noted Sept. 4.

Power Line — Texas — Texas Power & Light Co., Interurban Bldg., Dallas, plans extending high power line from Crockett to Grapeland to furnish light and power to that city. $30,000.

Elimination Grade Crossing — Dallas, Tex.—City and Atchison, Topeka & Santa Fe R.R., City Hall, making plans eliminating rade crossing where 2nd Ave. crosses Atchison, Topeka & Santa Fe tracks. City to pay $50,000 and railroad $75,000 toward cost. E. A. Kingsley, city engr.

Bathing Beach — Ft. Worth, Tex.—Making plans moving present bathing beach to opposite side of Lake Worth. $75,000. D. L. Lewis, city engr.

Lighting System—Littlefield, Tex.—R. E. McCaskill, Electra, plans electric light and power system, here. $60,000.

Conduit System—Fairplay, Calif.—Fairplay Mutual Water Co., plans approximately 22 mi. pipe conduit system, ditch, flume or galvanized iron to divert water from Middle Fork of Consumnes River to Fairplay. Private plans.

Pipe Line—Vallejo, Calif.—Making plans Gordon Valley pipe line, approximately 23 mi. 22 and 24 in. riveted steel pipe with welded joints, Dayton couplings or Matheson joint steel pipe. A. Kempkey, Hobart Bldg., San Francisco, engr.

Power Line — Ontario — Hydro Electric Power Comn., 190 University Ave., Toronto, plans 8 mi. power line between Georgetown and Norval. $20,000. F. A. Gaby, ch. engr.

Subway—Weston, Ont.—Canadian Natl. Electric Ry., 1 Toronto St., Toronto, made plans subway concrete abutments and steel plate girder spans, on Weston Rd. near here. $30,000. E. W. Oliver, c/o owner, engr.

BIDS DESIRED

Freight Shed—New York, N. Y.—Sept. 23, by M. Cosgrove, comr. Docks, foot Battery Pl., North River, new freight shed on pier at foot of Roosevelt St., East River, etc.

Subway Repairs—New York, N. Y.—Sept. 26, by Bd. Transportation, 49 Lafayette St., grouting leaks in Bway.-4th Ave. Rapid Transit at Lexington Ave. and 60th St., Agreement "DM."

Subway—Phila., Pa.—Oct. 21, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., subway in Broad St.; adv. E. N.-R. Sept. 18.

Flood Control—Peru, Ind.—Oct. 20, by G. R. York, secy. Peru Flood Control Dist., Cole Block, earth levee, earth and rock ditch excav., river excav., and clearing river bank. T. N. Jacob, 1900 Ry. Exch. Bldg., St. Louis, Mo., engr.; adv. E. N.-R. Sept. 18.

BIDS RECEIVED

Jetty—Monmouth Beach (Long Branch, P. O.), N. J.—Monmouth Co. (Freehold) stone jetty with timber core, here, from W. Howland, Long Branch, $35,530. Noted Sept. 4.

CONTRACTS AWARDED

Clay Pits — Hartford, Conn.—Hartford Fience Co., Faience St., 15x100 ft., clay pits building timber and concrete, to R. E. Kelley, 17 Forest St., Engrs. est. $25,000.

Heating and Ventilating System — New York, N. Y.—Bd. Educ., 500 Park Ave., heating and ventilating system in P. S. 73, Anderson Ave., to D. J. Rice, 42nd St. and Lexington Ave.; $88,972. P. S. 47, East 23rd St., to T. F. Hall, Inc., 405 Lexington Ave., $39,334. Noted Aug. 28.

Mechanical Equipment, Plumbing, etc.—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment for P. S. 19, Katonah Ave., to Nally Plumbing & Contg. Co., 172 West 98th St., $27,922; plumbing, to D. J. Rice, 42nd St. and Lexington Ave., $50,785; electric wiring to Jandous Electric Equipment Co., 109 West 31st St., $22,680. Noted Sept. 11.

Plumbing, Heating and Ventilating, etc. —New York, N. Y.—W. H. Gompert, supt. school building, Flatbush Ave. extension and Concord St., Brooklyn, plumbing in P. S. 173, Ft. Washington Ave., to Nally Plumbing & Contg. Co., 172 West 98th St., $41,359; electric wiring, etc., to T. F. Jackson, Inc., 99 John St., $28,000; heating and ventilating apparatus to D. J. Rice, 42nd St. and Lexington Ave., $88,269. Noted Sept. 11.

Heating and Ventilating—Lancaster, Pa.—See "Buildings—Commercial."

Heating—Phila., Pa.—See "Buildings."

Foundation—Tulsa, Okla.—Chamber of Commerce, City Hall, foundation for 4 story and basement, 65 x 130 ft., rein.-con., brick and stone civic building, plain foundation, 5th and Cincinnati Sts., to G. D. Morrow & Son, 607 Kennedy Bldg. Archts. est. $150,000. Noted Sept. 4 under "Buildings—Commercial."

Loading and Unloading Platforms—Glendale, Calif.—See "Buildings—Commercial."

Grain Handling Plant etc.—Vancouver, B. C.—Columbia Grain Elevator Co., 509 Richards St., cleaning and handling plant with trestle and jetty, to Dominion Constr. Co., 509 Richards St., $200,000.

Material and Equipment

PROPOSED WORK

Pipe, etc.—Lockeford, Calif.—Mossdale Farm, Inc., plans to purchase 2 mi. 24 in. concrete pipe, 10 ft. centrifugal pumps, operated by gasoline or electric motor, about 40 hp., to irrigate 300 acres land.

BIDS DESIRED

Asphaltic Cement—New York, N. Y.—Sept. 25, by H. Bruckner, pres. Bronx Boro., 300 tons asphaltic cement, 1,000 cu. yd. 1½ in. waterbound macadam stone, 500 cu.yd. broken stone screenings, 1,000 cu.yd. ¾ in. stone, 1,000 cu.yd. asphalt sand, and motor gasoline.

Castings, etc.—New York, N. Y.—Sept. 22, by J. E. Bowe, comr. Purchase & Supply, Municipal Bldg., furnishing castings and metal to Dept. Docks, Plant & Structures, Parks-Bronx, and Water Supply, Gas & Electricity.

Ties and Timber—New York, N. Y.—Sept. 19, by Bd. Transportation, 49 Lafayette St., ties and timber.

Tractor Scraper, etc.—Seymour, Wis.—B. G. Dean, city clk., taking bids tractor sweeper and scarifier.

Reinforcing—Minneapolis, Minn.—Sept. 22, by Hennepin Co., about 280 tons reinforcing, and also alterate bids on same amount of steel with option to purchase about 1,000 tons additional. W. H. Wheeler, 1112-10 Metropolitan Life Bldg., consult. engr.

Paving Material—St. Paul, Minn.—Sept. 23, by H. W. Austin, city purch. agt., 2,970 bbl. Portland Cement, 1,660 cu.yd. crushed rock or gravel, 1,200 cu.yd. concrete sand, 52,200 lbs. reinforcing, etc., for surfacing Wesley St., 690 bbl. cement etc., for surfacing Norris St. G. M. Shepard, city engr.

Guardrail—South Dakota—Sept. 23, by State Hy. Comn., Pierre, 59,220 lin.ft., timber and wire guardrail in Corson, Fall River, Beadle, Brookings-Kingsbury, Roberts, Edmunds, Deuel, Minnehaha, Hand-Faulk, Hand, Haakon, Pennington, Brookings-Moody, Sanborn, Jones and Hughes Counties. F. D. Hudgins, ch. engr.

Paving Mixer—Purcell, Okla.—Gibson & Mitchell, in market for new concrete paving mixer.

BIDS RECEIVED

Cement, Sand, Binder, Stone, etc. — Brooklyn, N. Y. — E. Riegelmann, boro pres., Boro Hall, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., 7,000 cu.yd. asphalt sand $9,380, 7,000 bbl. Portland cement $19,320, 4,000 cu.yd. 1½ in. gravel $9,560, 1,500 cu.yd. sand grit $3,360; from Warner-Quinlan Co., 79 Wall St., New York, 400,000 gal. asphaltic cement $22,520; from Calvin Tompkins Co. 30 Church St., New York, 6,000 cu.yd. binder stone $13,860; from J. Carney, 150 tons paving pitch $3,743; from T. E. McCormick, 810 Lincoln Rd., Flatbush, 5,000 cu.yd. concrete paving sand $5,375. Noted Sept. 4.

Gasoline and Sand—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 30,000 gal. gasoline from Bang Service Sta., $4,410; and 2,000 cu.yd. concrete paving sand from Gallagher-Shand, Inc., 420 East 105th St., $2,980. Noted Sept. 4.

Gunite Sand, etc. — Manteca, Calif. — S. L. Steele, secy., South San Joaquin Irrigation Dist., Aug. 26, 6,000 or more tons gunite sand, S. P. or T. S. delivery, from Arlington & Putman, Escalon, $1.08 per ton; 15,000 or more bbls. Portland cement, from H. Cowell Lime & Cement Co., 2 Market St., San Francisco, delivery from Manteca $2.78, Ripen $2.50 and Simms $2.80; 2,500,000 or more sq.ft. wire mesh reinforcing from Stockton Hardware & Implement Co., Stockton, style A 17, 5 and 6 ft. wide $1.13, style A 17, 4 ft. wide $1.17, hexagon No. 18, $1,19¾. Noted Aug. 21.

CONTRACTS AWARDED

Paving Blocks, etc—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, furnishing 75,000 asphalt paving blocks, to Hastings Pavement Co., 25 Broad St., New York, $7,357; 75,000 granite paving blocks to St. George Granite Co., 90 West St., New York, $9,825; 75,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., New York, $3,893; 3,500 cu.yd. steam cinders, to B. Turecamo Contg. Co., 8706 Bay 12th St., $3,902; 2,500 tons limestone dust, to New York Trap Rock Co., 101 Park Ave., New York. $16,725. Noted Sept. 11.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Oct. 7.

Pumping Station and Filter Plant, Pumps, Storage Reservoir, Distribution Mains and Appurtenances

Pikeville, Ky.

Sealed proposals for the construction of a three-quarter million gallon per day FILTER PLANT, PUMP STATION, PUMPS, STEEL TANK RESERVOIR, DISTRIBUTION MAINS AND APPURTENANCES will be received by the City Clerk of Pikeville, Ky., until 12 o'clock noon on October 7th, 1924, and will then be opened and read publicly.

All bids shall be made upon the official proposal blanks attached to the Instructions to Bidders, Specifications, and Form of Contract and Bond, which may be seen at the office of the City Clerk, Pikeville, Ky., or may be obtained by bona fide bidders upon application to The J. N. Chester Engineers, Union Bank Building, Pittsburgh, Pa., or John Hatcher, City Clerk, upon deposit of a certified check for Twenty-five Dollars ($25.00), which may be redeemed on return of plans and specifications in good condition.

Each proposal shall be accompanied by a certified check made payable to the order of Z. A. Thompson, Mayor of Pikeville, Ky., of not less than three per cent (3%) of the total amount of the bid, but in no case shall this check be less than Fifty Dollars ($50.00). This check is to be conditioned that if bid is accepted, a contract will be entered into and performance of same secured within ten (10) days after notification of acceptance of the bid. In case bid is rejected, or contract entered into, check will be returned. Successful bidders will be required to furnish a corporate surety bond in an acceptable Surety Company in the full amount of the contract. An acceptable bidding bond may be offered in place of the certified check at the bidder's option.

The right is reserved to reject any or all bids.

Z. A. THOMPSON, Mayor.

Attest:
JOHN HATCHER,
City Clerk.

Bids: Sept. 30.

Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pennsylvania. Bids will be received September 30, 1924, for construction of six projects, totaling seventeen miles, construction to be reinforced concrete. Projects situated in the following counties:

Allegheny	Indiana
Armstrong	Tioga
Bedford	Washington
Bradford	

Full particulars upon application to P. D. Wright, Secretary of Highways, Harrisburg, Pennsylvania.

Bids: Sept. 30.

Filter Plant and Pumping Station

Pinckneyville, Ill.

The City of Pinckneyville, Illinois, will receive bids September 30, 1924, for a complete filter plant and pumping station.

Plans, specifications and bidding blanks can be obtained from the Beard Engineering Co., Title Guaranty Bldg., St. Louis, Mo., on deposit of $10, $6 of which will be refunded upon the return of plans and specifications within thirty days after receipt of bids.

P. J. C. HAMM,
City Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 8.

Power Plant Building

Rocky Mount, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Rocky Mount, N. C., until 3:00 P.M., October 8th, 1924, in the City Hall at Rocky Mount, N. C., for the furnishing of all labor, tools, materials, etc., for and the construction of a concrete, brick and steel Power Plant Building, river intake chamber, foundations, etc.

The structure will be approximately one hundred and twenty five (125) feet long, eighty (80) feet wide and fifty-five (55) feet high.

Proposals must be marked "PROPOSALS FOR POWER PLANT BUILDING." All bids must be made upon blank forms provided in copies of the Proposal, Contract and Specifications.

Each bid must be accompanied by a certified check in the amount of five (5) per cent of the amount of the bid, as evidence of good faith.

Copies of the Specifications, Form of Proposal, Contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids or to award contract or contracts which, in the opinion of the Board and of the Engineer, appear to be for the best interests of the City.

WILLIAM C. OLSEN,
Consulting Engineer,
Raleigh, N. C.

T. T. THORNE, Mayor.
C. H. HARRIS, City Clerk.
W. B. DARROW, Chairman Improvement Committee.

Bids: Oct. 2.

Furnishing and Laying Water Pipes of 54-Inch, or 56-Inch, or 60-Inch Diameter

Boston, Mass.

Commonwealth of Massachusetts, Metropolitan District Commission, Water Division. Sealed proposals will be received at the office of the Metropolitan District Commission, 1 Ashburton Place, Boston, Mass., until 2 o'clock p.m., of Thursday, October 2, 1924, for furnishing and laying in Waltham, Belmont and Arlington, Mass., together with the necessary appurtenances and connections, about 17,600 linear feet of 54-inch cast-iron water pipe or the following alternatives: (a) 56-inch hammer-weld steel pipe; (b) 56-inch lock-bar steel pipe; (c) 60-inch riveted steel pipe. The work also includes about 3,000 cubic yards of rock excavation. Each bid must be accompanied by a check for $15,000, payable to the Commonwealth of Massachusetts, and a bond in the sum of $150,000 will be required for the faithful performance of the contract. Plans for the work and pamphlets containing further information for bidders, forms of proposal, contract and specifications may be obtained of William E. Foss, Director of the Water Division. The printed form must be used in making proposals. The Commission reserves the right to reject any or all bids or to accept the proposal deemed best for the Commonwealth.

GEO. LYMAN ROGERS,
Secretary.

Bids: Oct. 8.

Equipment for Purification Works

WATER SUPPLY BOARD
Providence, R. I.

Sealed proposals for Equipment for the Purification Works and portions of the Scituate Aqueduct will be received at the office of the Water Supply Board, City Hall, Providence, R. I., until 2:30 P.M. on Wednesday, October 8, 1924, at which time and place they will be publicly opened and read.

OFFICIAL PROPOSALS

The equipment to be furnished and delivered is divided into seven groups, as follows: (A) gate valves; (B) sluice gates; (C) venturi meters, registering, indicating and recording apparatus and rate controllers; (D) operating tables; (E) dry feed machines; (F) weighing hoppers; (G) electrically driven centrifugal pumps and their appurtenances. Bidders may submit proposals on as many of these groups as they desire.

Pamphlets containing information for bidders, forms of proposal, contract and bond, specifications and drawings may be obtained from the Secretary of the Board, City Hall, from the Chief Engineer, 661 Westminster Street, or at the office of Hazen & Whipple, 25 West 43d Street, New York, N. Y.

City of Providence, Water Supply Board
B. THOMAS POTTER,
Chairman.

FRANK E. WINSOR, Chief Engineer.
SAMUEL N. GRAMMONT, Secretary.

Bids: Sept. 22.

Street Paving

Village of Elmsford, Town of Greenburgh, Westchester County, N. Y.

Sealed bids will be received until 8 p.m., September 22, 1924, for paving and otherwise improving a portion of Stone Avenue, Elmsford, N. Y., lying North of Tarrytown-White Plains Road. Also an area adjacent to the Junction of Saw Mill River Road and Tarrytown Road; also grading and otherwise improving certain streets South of Tarrytown Road. This work includes grading, rolling of sub-grade, placing of stone base of varying thickness. Construction of concrete gutters, pipe culverts and ditching as detailed in plans and specifications, all as shown on plans at the Meeting Place of the Board of Public Works, Lawn Avenue, Elmsford, N. Y., and there publicly opened and read. Specifications and information regarding this contract may be obtained from Carl P. Abbott, Village Engineer, at his office in Elmsford, N. Y., or by writing to him at Box 202, White Plains, N. Y. A certified check for 10 per cent of the amount of the bid must accompany the bid and be enclosed in a separate envelope. A deposit of $10.00 will be required for plans and specifications. The successful bidder will be required to furnish an acceptable surety bond.

The work to be constructed includes concrete pavement and necessary grading appertaining thereto.

The Board of Public Works reserves the right to reject any or all bids or to select the bidder who appears to best fulfill their requirements.

Dated Elmsford, N. Y., Sept. 8, 1924.
A. CORRADO,
President Board of Public Works.

Bids: Sept. 30.

Sewage Disposal Works

Ridgewood, N. J.

Sealed proposals will be received at the office of the Commissioners of the Village of Ridgewood until 8 o'clock P.M., on September 30th, 1924, at which time they will be publicly opened and read, for the construction of a Sewage Disposal Works.

Plans, specifications, proposal, contract forms and all other information may be seen at the office of the Engineer at the above address. Copies of the same can be obtained upon deposit of the sum of ten dollars ($10.00), which deposit will be refunded upon the return of plans and specifications in good order.

Commissioners of the Village of
Ridgewood.
By WILBUR MORRIS,
Village Clerk.

Dated, September 11, 1924.